

001

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL

1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NUMBER ML-2237
B. TYPE OF WELL OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN ALLOTTEE OR TRIBE NAME UTE TRIBAL
2. NAME OF OPERATOR: SHENANDOAH ENERGY INC.		7. UNIT OF CA AGREEMENT NAME: WONSITS VALLEY UNIT
3. ADDRESS OF OPERATOR: 11002 E. 17500 W. CITY VERNAL STATE UT ZIP 84078		8. WELL NAME and NUMBER: WV #5G-16-8-21
PHONE NUMBER: (435) 781-4341		9. FIELD AND POOL, OR WILDCAT: WONSITS VALLEY
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2025' FNL, 665' FWL SWNW AT PROPOSED PRODUCING ZONE: SAME		10. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 16 8S 21E
13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: MILES SOUTH WEST FROM RED WASH UNIT		11. COUNTY: UINTAH
14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE(FEET) 665' ±		12. STATE: UT
15. NUMBER OF ACRES IN LEASE: 600		16. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1000' ±		18. PROPOSED DEPTH 6033'
19. BOND DESCRIPTION: 159261960		20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4737' GR
21. APPROXIMATE DATE WORK WILL START: ASAP		22. ESTIMATED DURATION:

23 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8"	K-55	24	450'	PREMIUM PLUS	148	1.18 15.6 ppg
7 7/8"	5 1/2"	K-55	15.5	TD	PREMIUM PLUS	729	1.18 12 ppg

24 ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:

- WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- COMPLETE DRILLING PLAN
- EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) JOHN BUSCH TITLE RED WASH OPERATIONS REPRESENTATIVE

SIGNATURE John Busch DATE MAY 31- 01

(This space for State use only)

API NUMBER ASSIGNED: 43047-34107 APPROVAL: RECEIVED

(5/2000)

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 06-26-01

By: [Signature]

(See Instruction on Reverse Side)

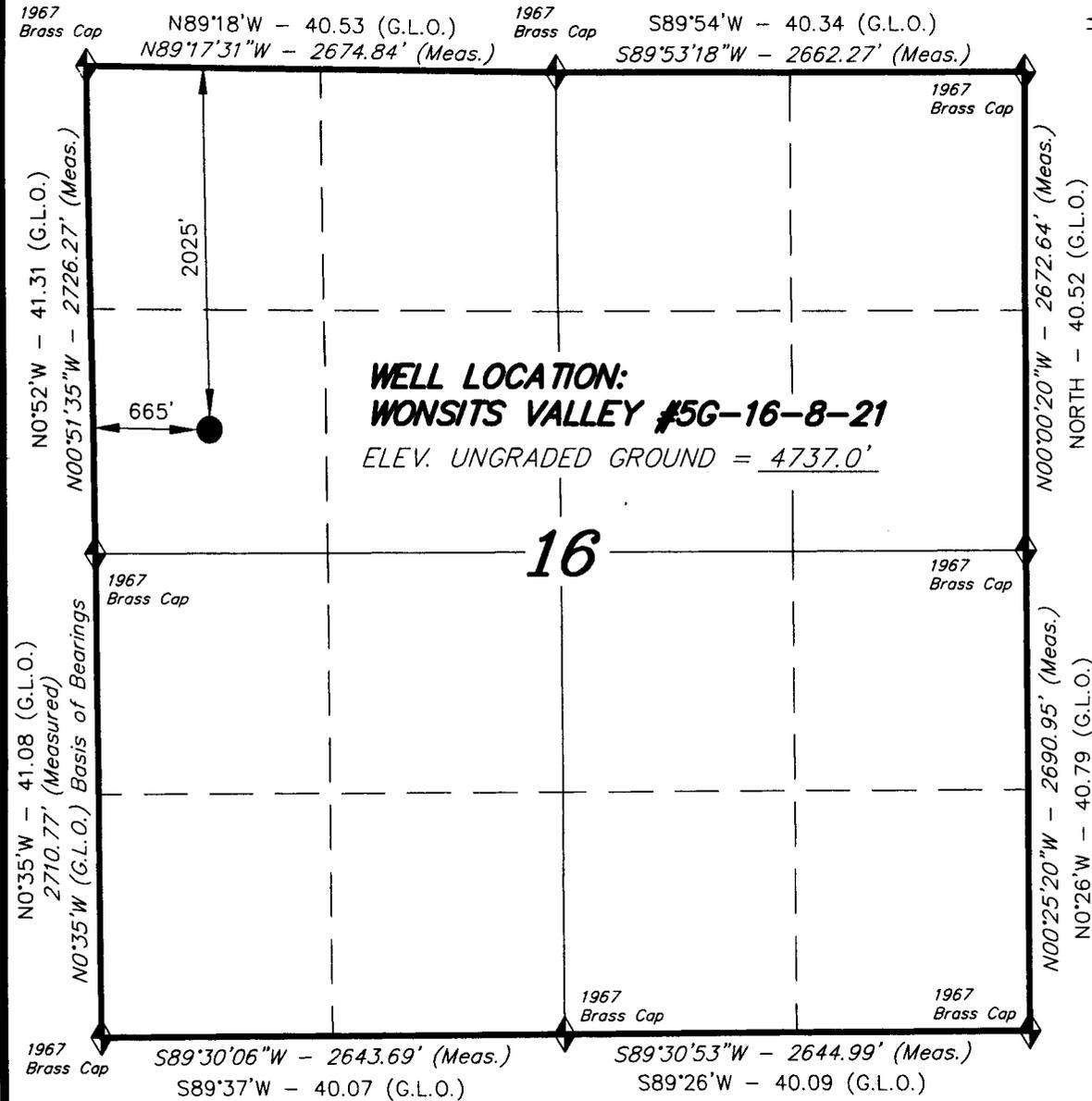
DIVISION OF
OIL, GAS AND MINING

CONFIDENTIAL

T8S, R21E, S.L.B.&M.

SHENANDOAH ENERGY, INC.

WELL LOCATION, WONSITS VALLEY
#5G-16-8-21, LOCATED AS SHOWN IN
THE SW 1/4 NW 1/4 OF SECTION 16, T8S,
R21E, S.L.B.&M. UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING

38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: C.D.S.
DATE: 4-23-01	WEATHER: HOT
DRAWN BY: J.R.S.	FILE #

WONSITS VALLEY #5G-16-8-21

LATITUDE = 40° 07' 31.33"

LONGITUDE = 109° 34' 00.47"

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (OURAY SE)

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DRILLING PROGRAM

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Prod. Phase Anticipated</u>
Uinta	Surface	
Green River	2680'	
Mahogany Ledge	3415'	
Mesa	5337'	
TD (Green River)	6033'	Oil

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas. Or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Green River	6033'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the State of Utah form OGC-8-X is acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 and where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

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DRILLING PROGRAM

3. Surface Ownership

The well pad and access road are located on lands owned by the ~~State of Utah~~.

Ute Tribe of 6-13-01

4. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

5. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
Surface	450'	12-1/4"	9-5/8"	K-55	36lb/ft (new)
Production	6033'	7-7/8"	5-1/2"	J-55	11.6lb/ft (new)

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.

DRILLING PROGRAM

-
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500’).
 - H. Compressor shall be tied directly to the blooie line through a manifold.
 - I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.
7. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 ppg.
- No minimum quantity of weight material will be required to be kept on location.
- PVT/Flow Show will be used from base of surface casing to TD.
- Gas detector will be used from surface casing depth to TD.

8. Testing, logging and coring program

- A. Cores – none anticipated
- B. DST – none anticipated

Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
MRI

- C. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

DRILLING PROGRAM

9. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	148 sx	Premium Plus single slurry mixed to 15.6 ppg, yield = 1.18 cf/sx. Fill to surface with 160 cf (130 sx) calculated. Tail plug used. Allowed to set under pressure
Production	318 sx* Lead 411 sx* Tail	Lead/Tail oilfield type cement circulated in place . Tail slurry: Premium Plus + gilsonite and additives as required, mixed to 14.8 ppg, yield = 1.18 cf/sx. Fill to 4200' (±300' above top of Lower Green River). Cement Characteristics: Lead slurry: Premium Plus + extender and additives as required, mixed to 11.0 ppg, yield = 1.18 cf/sx. Fill to surface. Tail plug used. Allowed to set under pressure.

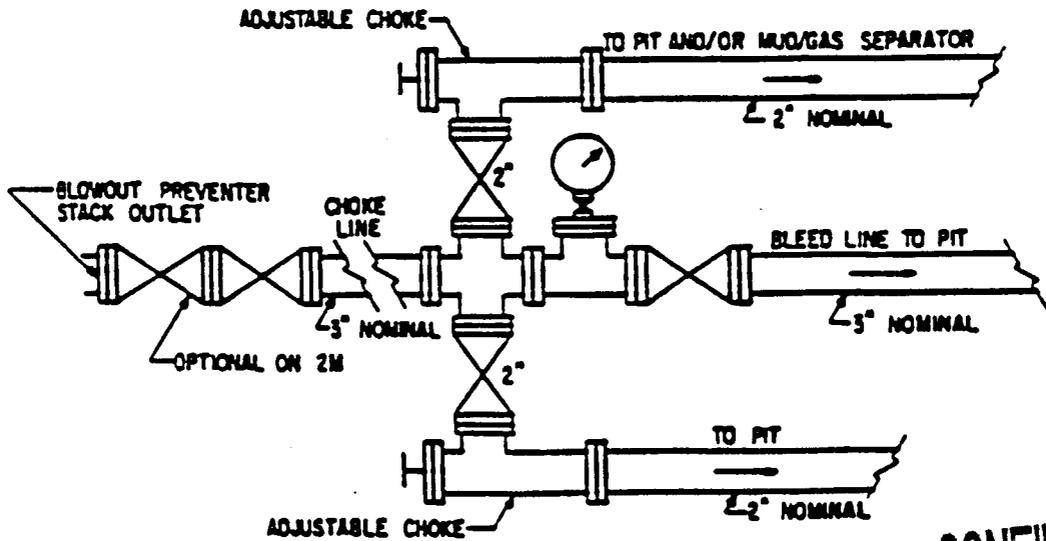
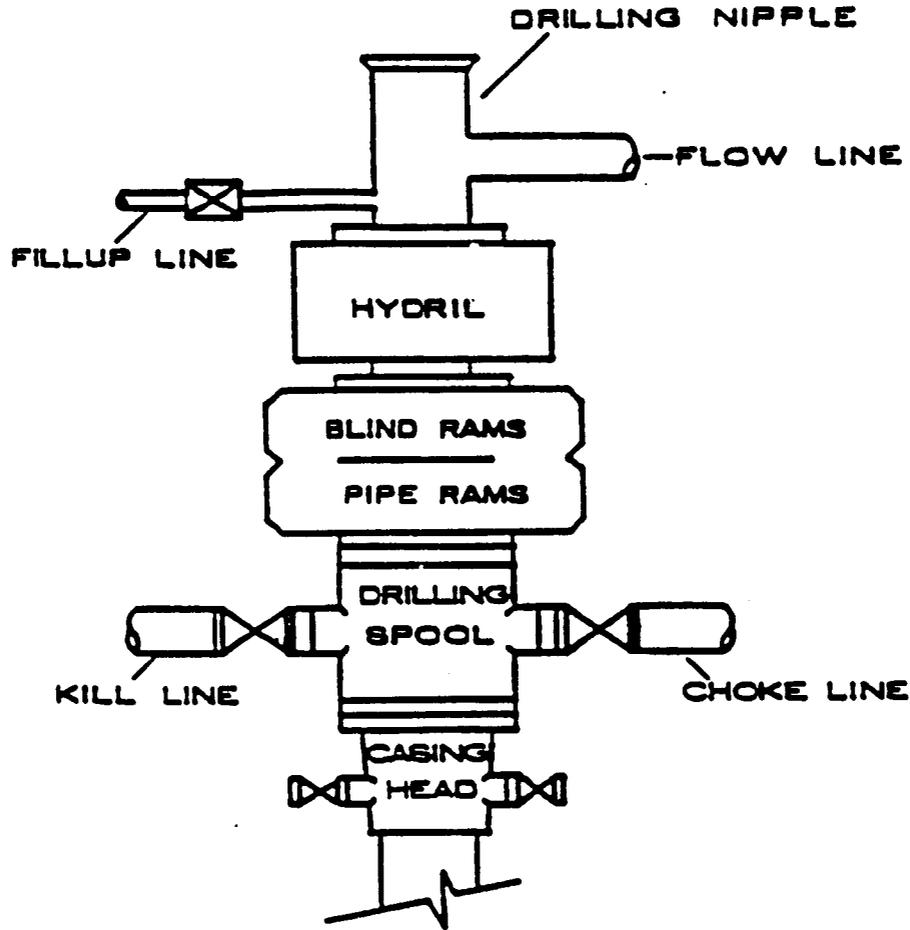
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H2S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2413.2 psi. Maximum anticipated bottom hole temperature is 140° F.

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SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



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Lessee's or Operator's Representative:

John Busch
Red Wash Operations Rep.
Shenandoah Energy Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4341

Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

Shenandoah Energy Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Shenandoah Energy Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

John Busch

May 29, 2001

John Busch
Red Wash Operations Representative

Date

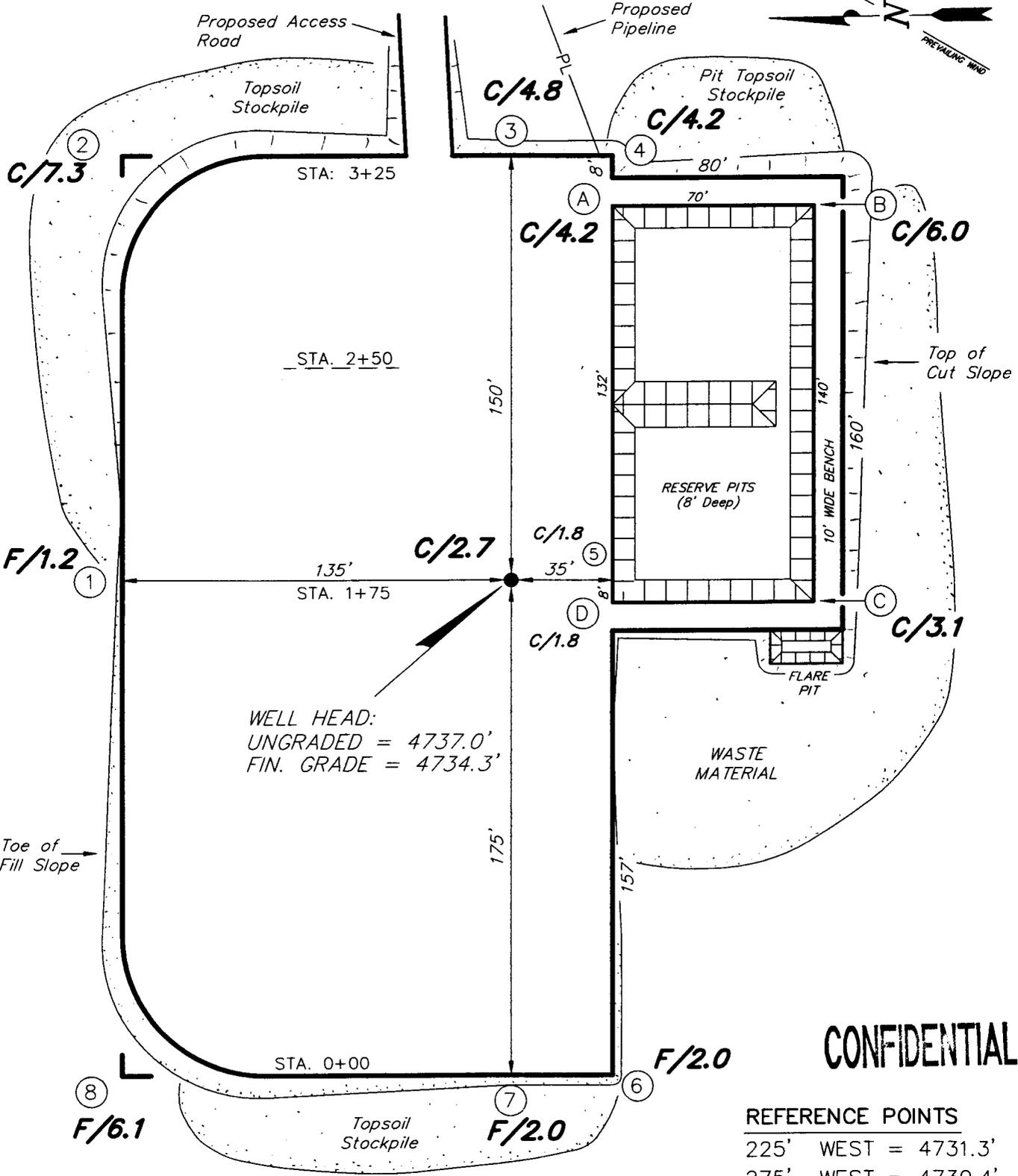
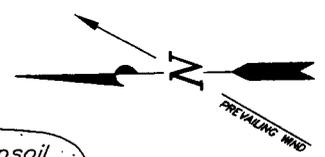
RECEIVED

DEPARTMENT OF
ENERGY
BUREAU OF
OIL, GAS AND MINING

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SHENANDOAH ENERGY, INC.

WONSITS VALLEY #5G-16-8-21
SEC. 16, T8S, R21E, S.L.B.&M.



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- REFERENCE POINTS**
- 225' WEST = 4731.3'
 - 275' WEST = 4730.4'
 - 185' NORTH = 4733.8'
 - 235' NORTH = 4734.5'

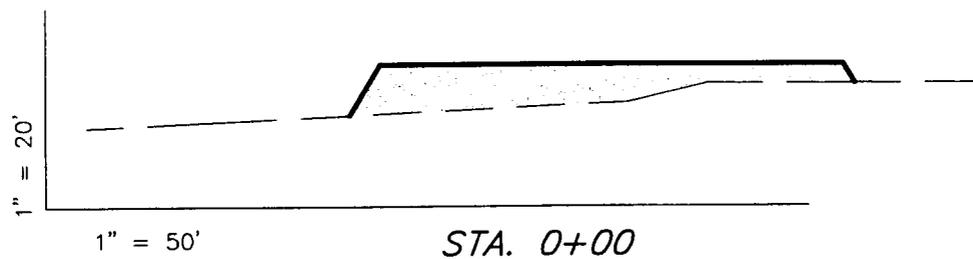
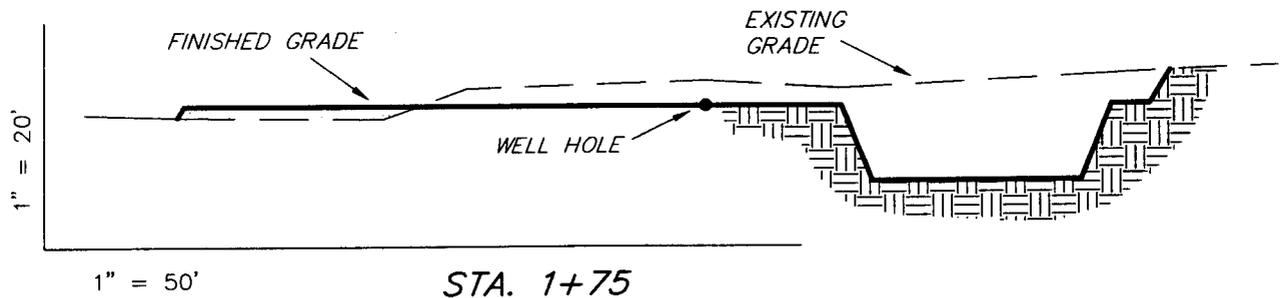
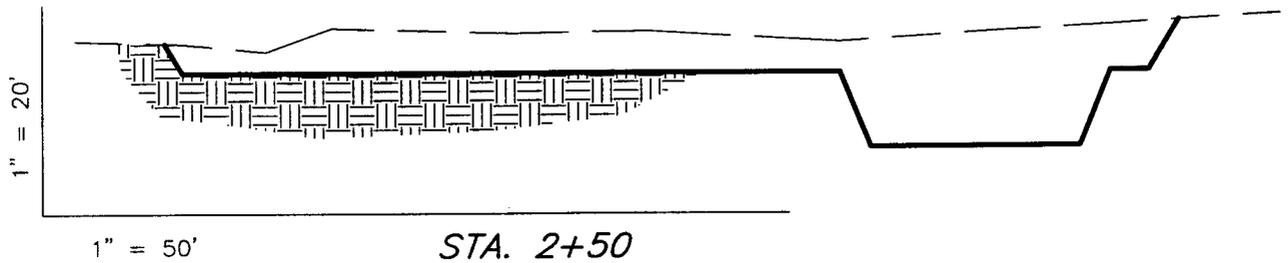
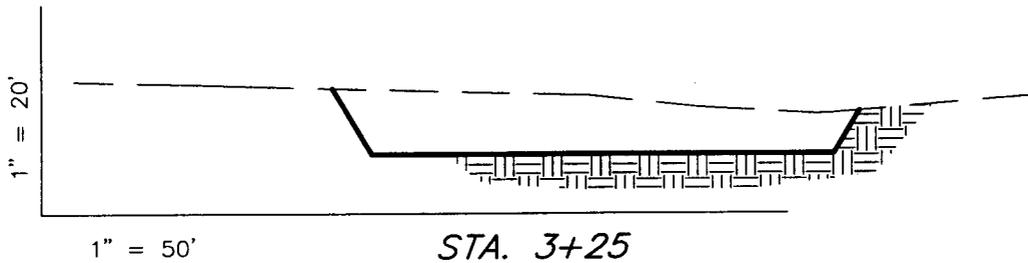
SURVEYED BY: D.J.S.	SCALE: 1" = 50'	<p style="font-size: 12pt; margin: 0;">Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078</p>
DRAWN BY: J.R.S.	DATE: 4-24-01	

(435) 781-2501

SHENANDOAH ENERGY, INC.

CROSS SECTIONS

WONSITS VALLEY #5G-16-8-21



APPROXIMATE YARDAGES

- CUT = 4,180 Cu. Yds.
- FILL = 4,180 Cu. Yds.
- PIT = 2,370 Cu. Yds.
- 12" TOPSOIL = 2,520 Cu. Yds.

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SURVEYED BY: D.J.S.

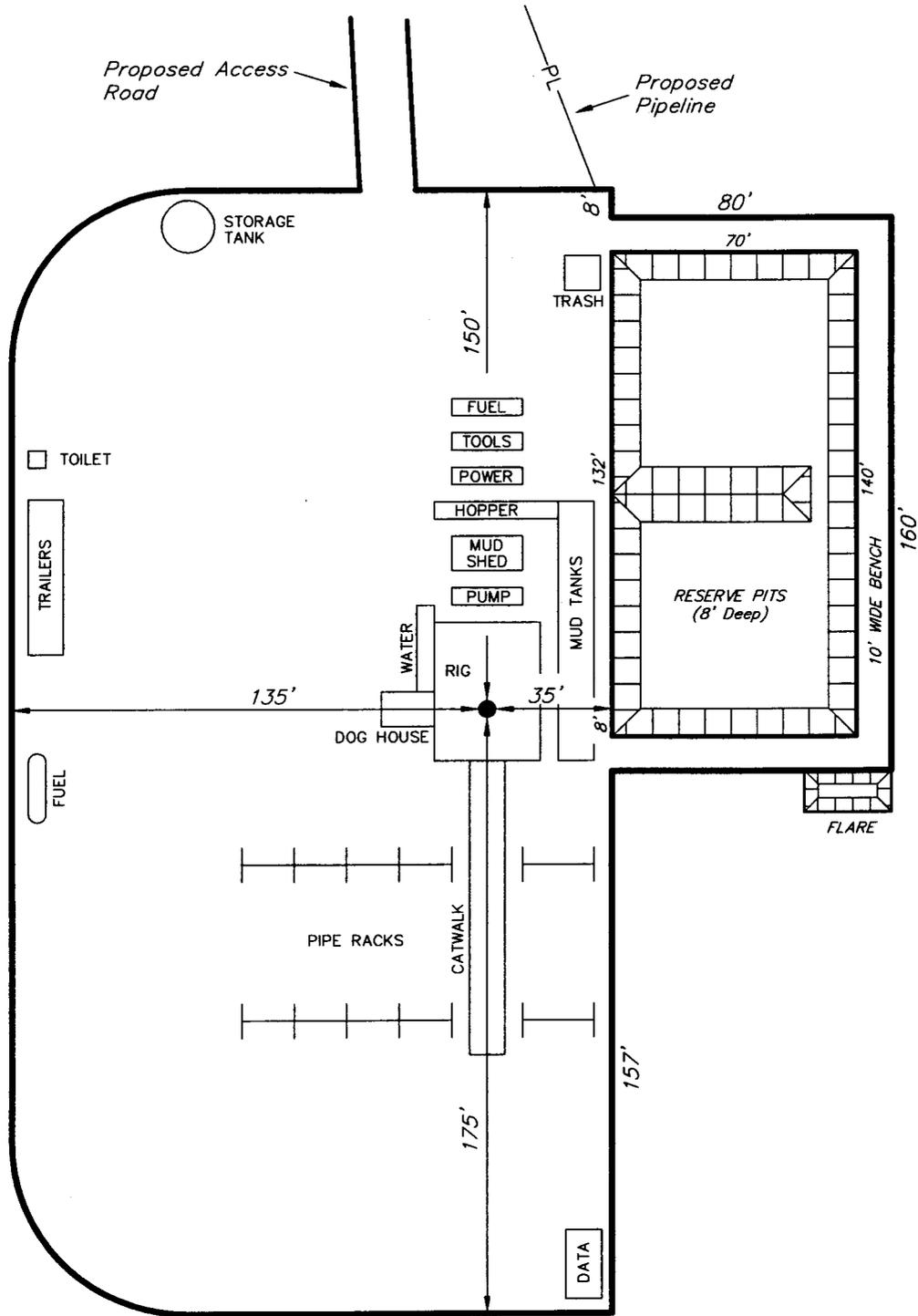
SCALE: 1" = 50'

DRAWN BY: J.R.S.

DATE: 4-24-01

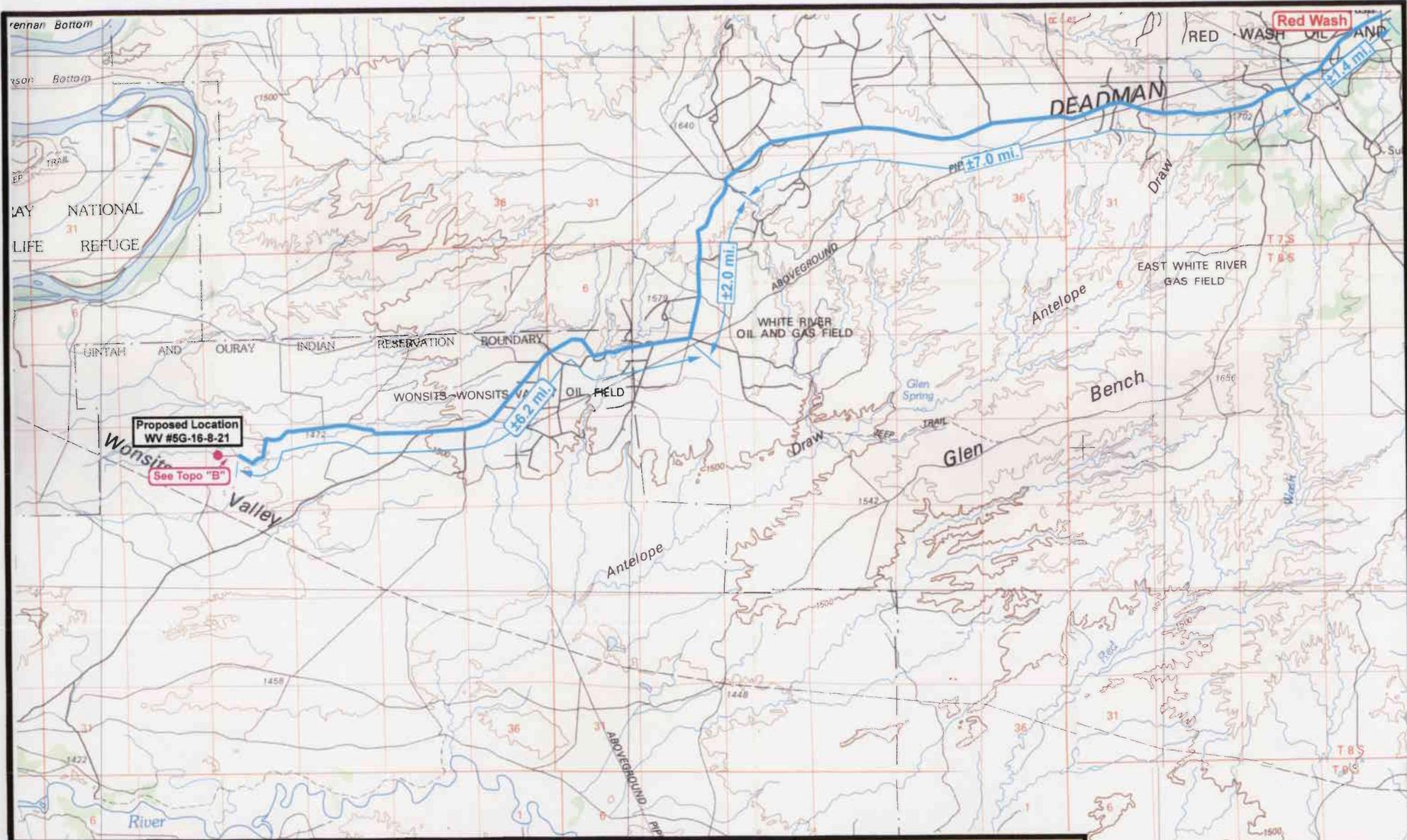
Tri State
Land Surveying, Inc.
38 WEST 100 NORTH VERNAL, UTAH 84078
(435) 781-2501

SHENANDOAH ENERGY, INC.
TYPICAL RIG LAYOUT
WONSITS VALLEY #5G-16-8-21



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SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc. 38 WEST 100 NORTH VERNAL, UTAH 84078 (435) 781-2501
DRAWN BY: J.R.S.	DATE: 4-24-01	



SHENANDOAH CONFIDENTIAL ENERGY INC.



Tri-State Land Surveying Inc.
 (435) 781-2501
 38 West 100 North Vernal, Utah 84078

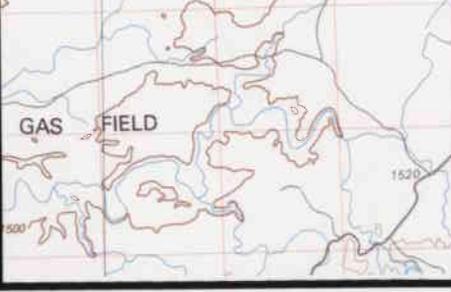
Legend

- Existing Road (Blue line)
- Proposed Access (Red line)

SCALE: 1" = 2000'
 DRAWN BY: bgm
 DATE: 04/30/2001

TOPOGRAPHIC MAP
"A"

**Wonsits Valley #5G-16-8-21
 SEC. 16, T8S, R21E, S.L.B.&M.**





SHENANDOAH ENERGY INC.

**Wonsits Valley #5G-16-8-21
SEC. 16, T8S, R21E, S.L.B.&M.**



Tri-State Land Surveying Inc.
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 04-30-2001

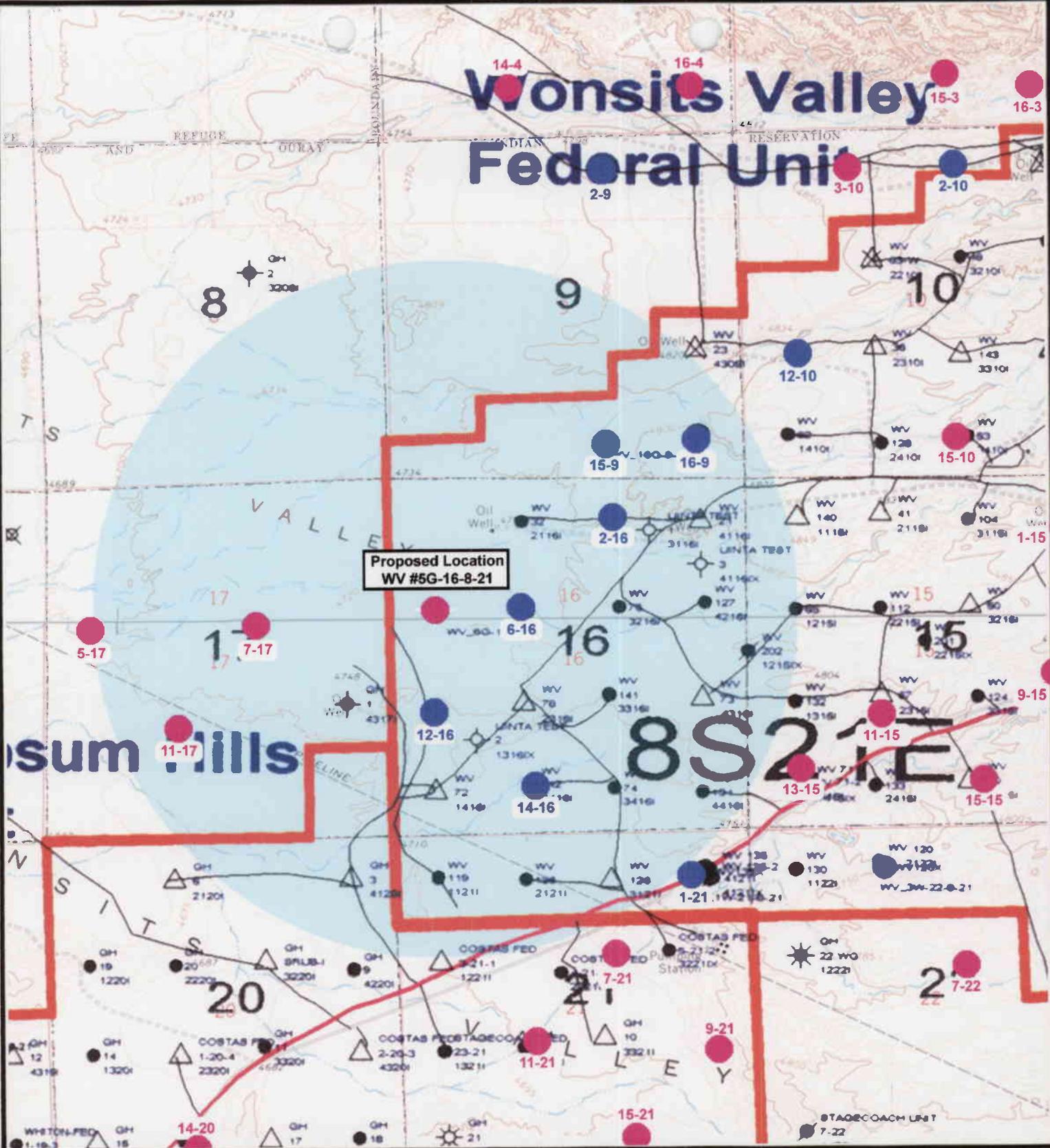
Legend

Existing Road
Proposed Access

TOPOGRAPHIC MAP

"B"

CONFIDENTIAL



Proposed Location
WV #5G-16-8-21

**SHENANDOAH
ENERGY INC.**

**Wonsits Valley #5G-16-8-21
SEC. 16, T8S, R21E, S.L.B.&M.**

*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: REV. 05-31-2001

Legend

- 2001 Location
- 2000 Location
- One Mile Radius

TOPOGRAPHIC MAP

"C"

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**SHENANDOAH
ENERGY INC.**

**Wonsits Valley #5G-16-8-21
SEC. 16, T8S, R21E, S.L.B.&M.**



*Tri-State
Land Surveying Inc.*
(435) 781-2501
38 West 100 North Vernal, Utah 84078

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 04-30-2001

Legend	
	Existing Road
	Proposed Access
	Proposed Pipeline
	Existing Pipeline

TOPOGRAPHIC MAP
"D"

SHENANDOAH ENERGY INC.

WV #5G-16-8-21

**LOCATED IN UINTAH COUNTY, UTAH
SECTION 16, T8S, R21E, S.L.B.&M.**

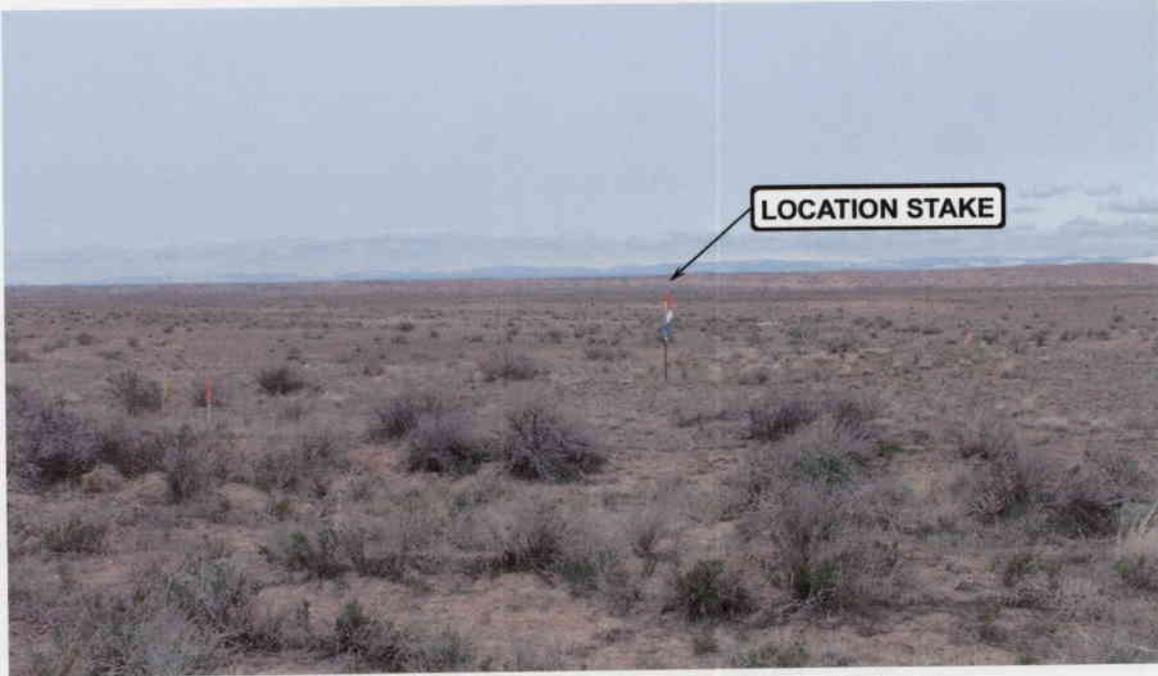


PHOTO: VIEW OF PROPOSED LOCATION

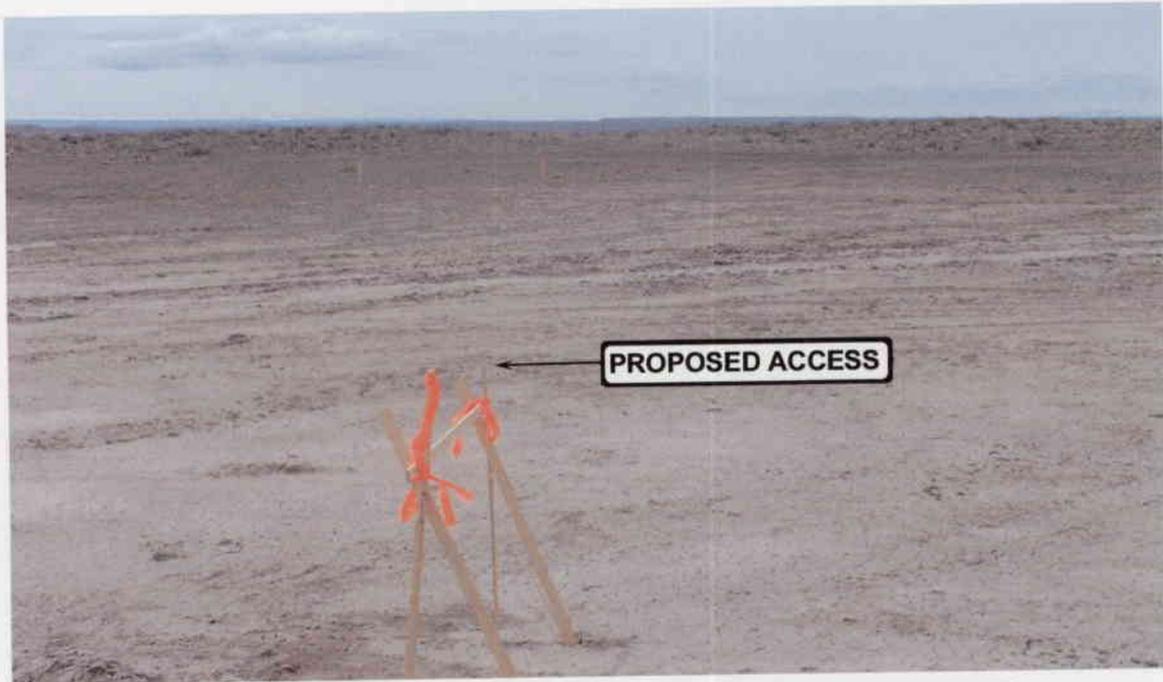


PHOTO: VIEW FOM BEGINNING OF PROPOSED ACCESS

Tri-State Land Surveying Inc.
38 West 100 North, Vernal, UT 84078
435-781-2501 tristate@easylink.com

LOCATION PHOTOS

Drawn By: SS

Date: 5-1-01

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/01/2001

API NO. ASSIGNED: 43-047-34107

WELL NAME: WV 5G-16-8-21
OPERATOR: SHENANDOAH ENERGY INC (N4235)
CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:

SWNW 16 080S 210E
SURFACE: 2025 FNL 0665 FWL
BOTTOM: 2025 FNL 0665 FWL
UINTAH
WONSITS VALLEY (710)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	ZAM	6/13/01
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-2237
SURFACE OWNER: ~~3~~ State
2 Indian
PROPOSED FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 159261960)
- Potash (Y/N)
- Oil Shale (Y/N) *190-5 (B) or 190-3
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- R649-2-3. Unit WONSITS VALLEY
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

COMMENTS: Need ~~front~~ BIA POW. (Rec'd 6-26-01 H62-2001-429)

STIPULATIONS: ① STATEMENT OF BASIS

**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: SHENANDOAH ENERGY, INC.
Well Name & Number: WV 5G-16-8-21
API Number: 43-047-34107
Location: 1/4,1/4 SW/NW Sec. 16 T. 8S R. 21E

Geology/Ground Water:

Shenandoah proposes to set 450' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 200'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing program should adequately protect any underground sources of useable water.

Reviewer: Brad Hill
Date: 06/26/2001

Surface:

Surface rights at the proposed location are owned by the Ute Indian Tribe. EOG Resources is responsible for obtaining any rights-of-way or surface permits needed from the Ute Tribe.

Reviewer: Brad Hill
Date: 06/26/2001

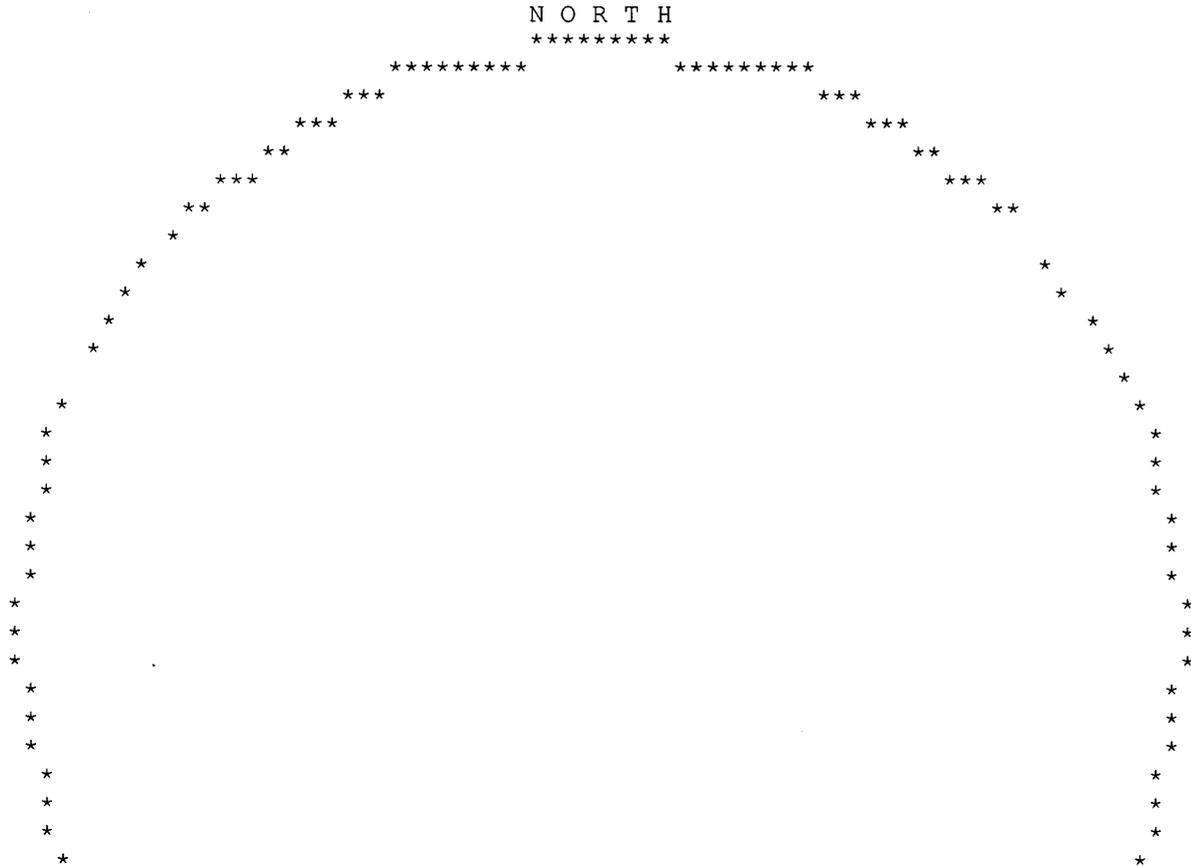
Conditions of Approval/Application for Permit to Drill:

None.

UTAH DIVISION OF WATER RIGHTS
WATER RIGHT POINT OF DIVERSION PLOT CREATED TUE, JUN 26, 2001, 3:16 PM
PLOT SHOWS LOCATION OF 0 POINTS OF DIVERSION

PLOT OF AN AREA WITH A RADIUS OF 10000 FEET FROM A POINT
FEET, FEET OF THE CT CORNER,
SECTION 16 TOWNSHIP 8S RANGE 21E SL BASE AND MERIDIAN

PLOT SCALE IS APPROXIMATELY 1 INCH = 4000 FEET





06-01 Shenandoah WV 5G-1-8-21

Casing Schematic

Surface

9-5/8"
MW 9.3
Frac 19.3

TOC @
0.

Surface
450. MD

w/ 4% WASHOUT

BOP

$$.052(4.5) 6033 = 2980.3$$

$$.12(6033) < 724 >$$

$$\underline{\underline{2256 \text{ psi}}}$$

3M-SRRA - BOP

IS ADEQUATE.

RAM 6/13/01

GROW RIGOR - 2680

TOC @
2986.

DESIGN
CURRENT FILL
± 4200

w/ 15% WASHOUT

5-1/2"
MW 9.5

Production
6033. MD

Well name:	06-01 Shenandoah WV 5G-16-8-21	
Operator:	Shenandoah	Project ID:
String type:	Production	43-047-34107
Location:	Uintah Co.	

Design parameters:

Collapse

Mud weight: 9.500 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 134 °F
 Temperature gradient: 1.15 °F/100ft
 Minimum section length: 1,500 ft

Cement top: 2,986 ft

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.494 psi/ft
 Calculated BHP 2,977 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Non-directional string.

Tension is based on air weight.
 Neutral point: 5,166 ft

LOWEST JOINT STRENGTH

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	6033	5.5	15.50	K-55	ST&C	6033	6033	4.825	189.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	2977	4040	1.36	2977	4810	1.62	94	222	2.37 J

Prepared R.A.McKee
 by: Utah Dept. of Natural Resources

Date: June 13,2001
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface Cement COA.
 Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 6033 ft, a mud weight of 9.5 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	06-01 Shenandoah WV 5G-16-8-21		
Operator:	Shenandoah	Project ID:	43-047-34107
String type:	Surface		
Location:	Uintah Co.		

Design parameters:

Collapse

Mud weight: 9.250 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 71 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 450 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
Internal gradient: 0.494 psi/ft
Calculated BHP 222 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 388 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,033 ft
Next mud weight: 9.500 ppg
Next setting BHP: 2,977 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 450 ft
Injection pressure 450 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	450	9.625	36.00	K-55	ST&C	450	450	8.765	32
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	216	2020	<u>9.34</u>	222	3520	<u>15.85</u>	16	423	<u>26.11 J</u>

Prepared by: R.A.McKee
Utah Dept. of Natural Resources

Date: June 13,2001
Salt Lake City, Utah

ENGINEERING STIPULATIONS: Surface Cement COA.

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Collapse is based on a vertical depth of 450 ft, a mud weight of 9.25 ppg The casing is considered to be evacuated for collapse purposes.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 6, 2001

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2001 Plan of Development Wonsits Valley Unit,
Uintah County, Utah.

Pursuant to email between Lisha Cordova, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management. The following wells are planned for calendar year 2001 within the Wonsits Valley Unit, Uintah County, Utah.

Api Number	Well	Location
------------	------	----------

(Proposed PZ Green River)

43-047-34107	WV 5G-16-8-21	Sec. 16, T8S, R21E	2025 FNL 0665 FWL
43-047-34108	WV 12G-1-8-21	Sec. 01, T8S, R21E	1965 FSL 0857 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Wonsits Valley Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-6-1



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

June 26, 2001

Shenandoah Energy Inc.
11002 E 17500 W
Vernal, UT 84078

Re: Wonsits Valley 5G-16-8-21 Well, 2025' FNL, 665' FWL, SW NW, Sec. 16, T. 8 South,
R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34107.

Sincerely,

A handwritten signature in black ink, appearing to read "John R. Baza".

John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
SITLA

Operator: Shenandoah Energy Inc.
Well Name & Number Wonsits Valley 5G-16-8-21
API Number: 43-047-34107
Lease: ML 2237

Location: SW NW **Sec.** 16 **T.** 8 South **R.** 21 East

Conditions of Approval

1. **General**
Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. **Notification Requirements**
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:
 - 24 hours prior to cementing or testing casing
 - 24 hours prior to testing blowout prevention equipment
 - 24 hours prior to spudding the well
 - within 24 hours of any emergency changes made to the approved drilling program
 - prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

 - Dan Jarvis at (801) 538-5338
 - Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

GRANT OF EASEMENT FOR RIGHT-OF-WAY

CONFIDENTIAL

ROW Serial No. H62-2001-429

Drill Site, Road & Pipeline, & Pipeline Corridor— WV #5G-16-8-21

KNOW ALL MEN BY THESE PRESENTS:

That the UNITED STATES OF AMERICA, as trustee for UTE INDIAN TRIBE acting by and through the Superintendent of the Uintah and Ouray Agency, as "Grantor", under authority contained in 209 DM 8 (39 F.R. 32166), 10 BIAM 3 (34 F.R.637) 230 DM 3 (20 F.R. 992) and Sec. 2.11 (34 F.R. 11109), pursuant and subject to the provisions of the Act of February 5, 1948 Stat. 17, (U.S.C. 323-328), and Part 169, Title 25, Code of Federal Regulations in consideration of:

FIVE THOUSAND SEVEN HUNDRED FIFTY-FOUR DOLLARS AND NINETY EIGHT CENTS, (\$5,754.98)

Based on \$1,400.00 per acre for consideration, the receipt of which is acknowledged, does hereby grant to:

SHENANDOAH ENERGY, INC., 11002 EAST 17500 SOUTH, P.O. BOX 455, VERNAL, UTAH 84078

Its successors and assigns, hereinafter referred to as "Grantee" an easement for right-of-way:

43-047-34107 Sec. 16, T85 R21E

In accordance with the attached survey plat: For the WV #5G-16-8-21

G.L.O. Plat No. DATED 04/26/01 for Section 16, Township 8 South, Range 21 East, SLB&M for the following:

- Drill Site: Located in the SW/4NW/4 of Sec. 16, being 2.759 acres, more or less, and
- Road & Pipeline Corridor: Located in the SW/4NW/4 & SE/4NW/4 of Sec. 16, being approximately 879.92 feet in length, 30 feet in width, 0.606 acres, m/l
- Pipeline Corridor: Located in the SE/4NW/4 of Sec. 16, being approximately 540.85 feet in length, 30 feet in width, 0.372 acres, m/l
- Total ROW acreage 3.737, m/l

within the exterior boundaries of the Uncompahgre Reservation for the following purposes namely: The construction, maintenance, repair, inspection, protection, operation and removal of the WV #5G-16-8-21 together with the necessary appurtenances thereto, on, over and across the land embraced within the right-of-way located in Uintah County, Utah.

TO HAVE AND TO HOLD said easement and right-of-way unto the Grantee and unto its successors and assigns, together with prior existing right or adverse claim and is for a twenty (20) year period beginning June 21, 2001, so long as easement shall actually be used for the purposes above specified. Consideration may be increased at five (5) year intervals if necessary to reflect then existing market prices.

This right-of-way shall be terminable in whole or in part by the grantor for any of the following causes upon 30 days' written notice and failure to the Grantee within said notice period to correct the basis of termination (25 CFR 169.20)

- A. Failure to comply with any term or condition of the grant or applicable regulations.
- B. A nonuse of the right-of-way for a consecutive two-year period for the purpose for which it was granted.
- C. An abandonment of the right-of-way.
- D. Failure of the Grantee to file with the Grantor an Affidavit of Completion pursuant to 25 CFR 169.16, Upon completion of construction, or in any case within two years of date of this easement granted in the case construction does not begin or is completed.

The conditions of this easement shall extend to and be binding upon and shall insure to the benefit of the successors and assigns of the Grantee. It has been determined that approval of this document is not such a major federal action significantly affecting the quality of the human environment as to required the preparation of an environmental impact statement under Section 102 (2)(c) of the National Environmental Policy Act of 1969 (42 U.S.C. 4332) (2) (c).

IN WITNESS WHEREOF, Grantor has executed this Grant of Easement this 21st day of June, 2001.

UNITED STATES OF AMERICA
U.S. Department of the Interior
Uintah & Ouray Agency
Fort Duchesne, UT 84026

[Signature]
Acting Superintendent

MM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

006

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas

Well Well Other

2. Name of Operator
SHENANDOAH ENERGY INC.

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4306

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2025' FNL, 665' FWL, SW NW, SECTION 16, T8S, R21E, SLBM

5. Lease Designation and Serial No.
ML-2237

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
**Wonsits Valley Federal Unit
8910084820**

8. Well Name and No.
WVFU 5G 16 8 21

9. API Well No.
43-047-34107

10. Field and Pool, or Exploratory Area
Wonsits Valley - Green River

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>SPUD DATE</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS SPUD 7/15/01. DRILL 12 1/4" HOLE TO 465'. RUN 11 JTS 9 5/8" K55 36# CSG TO 450'.

14. I hereby certify that the foregoing is true and correct.

Signed D. C. Beaman *Doris C. Beaman* Title Office Manager Date 07/31/01

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONFIDENTIAL

OPERATOR: **Shenandoah Energy, Inc.**
ADDRESS: **11002 East 17500 South
Vernal, Utah 84078-8526**

OPERATOR ACCT. No. 4235
(801)781-4300

ENTITY ACTION FORM - FORM 6

Action Code	Current Entity No.	New Entity No.	API Number	Well Name	QQ	SC	TP	RG	County	Spud Date	Effective Date
B	99999	05265	43-047-34107	WVFU 5G 16 8 21	SW NW	16	8S	21E	Uintah	07/15/01	8-2-01

WELL 1 COMMENTS:

New well drilled in the Wonsits Valley Green River Unit. 8-2-01

WELL 2 COMMENTS:

WELL 3 COMMENTS:

WELL 4 COMMENTS:

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected

Doris C Beaman
Signature

Office Manager. 08/01/01
Title Date

Phone No. (801) 781-4306

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

008

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas

Well Well Other

2. Name of Operator
SHENANDOAH ENERGY INC.

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4306

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2025' FNL, 665' FWL, SW NW, SECTION 16, T8S, R21E, SLBM

5. Lease Designation and Serial No.
ML-2237

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
**Wonsits Valley Federal Unit
8910084820**

8. Well Name and No.
WVFW 5G 16 8 21

9. API Well No.
43-047-34107

10. Field and Pool, or Exploratory Area
Wonsits Valley - Green River

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other FIRST PRODUCTION
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

THIS WELL WAS COMMENCED PRODUCTION 8/28/01.

RECEIVED
SEP 24 2001
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.
Signed **D. C. Beaman** *D. C. Beaman* Title **Office Manager** Date **09/18/01**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		2/1/2003
FROM: (Old Operator):	TO: (New Operator):	
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	

CA No.

Unit:

WONSITS VALLEY UNIT

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
WV 16W-1-8-21	01	080S	210E	4304734047		Federal	GW	APD	C
WV 12G-1-8-21	01	080S	210E	4304734108	5265	Federal	OW	P	
WV 10G-2-8-21	02	080S	210E	4304734035	5265	State	OW	P	
WV 14G-2-8-21	02	080S	210E	4304734036	5265	State	OW	P	
WV 13G-2-8-21	02	080S	210E	4304734068	5265	State	OW	P	
WV 16W-11-8-21	11	080S	210E	4304734155	12436	Federal	GW	S	
WV 4W-13-8-21	13	080S	210E	4304734144	12436	Federal	GW	P	
WV 2W-14-8-21	14	080S	210E	4304734140	12436	Federal	GW	P	
WV 5G-16-8-21	16	080S	210E	4304734107	5265	State	OW	P	
WV 11W-16-8-21	16	080S	210E	4304734190	12436	State	GW	P	
WV 13W-16-8-21	16	080S	210E	4304734191	12436	State	GW	P	
GH 2W-21-8-21	21	080S	210E	4304734141	12436	Federal	GW	P	
GH 3W-21-8-21	21	080S	210E	4304734143	12436	Federal	GW	P	
GH 4W-21-8-21	21	080S	210E	4304734145	12436	Federal	GW	P	
WV 4W-22-8-21	22	080S	210E	4304734146	12436	Federal	GW	P	
WV 2W-23-8-21	23	080S	210E	4304734142	12436	Federal	GW	P	
WV 4W-23-8-21	23	080S	210E	4304734188	12436	Federal	GW	P	
WV 6W-23-8-21	23	080S	210E	4304734189	12436	Federal	GW	P	
WV 4W-17-8-22	17	080S	220E	4304734038	12436	Federal	GW	P	
WV 3W-19-8-22	19	080S	220E	4304734187	12436	Federal	GW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/19/2003
- Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
- If NO, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 9/16/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 9/16/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:



Questar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING

JUL 07 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.
1050 17th Street Suite 500
Denver, Colorado 80265

:
: Oil and Gas
: lease
:

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/ Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Uinta Basin
MFO



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Wonsits Valley Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Wonsits Valley Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Wonsits Valley Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Wonsits Valley Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Wonsits Valley Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/9/03

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat		unit_name	field	county	type	lease #	bond #	
WVU 16	15	080S	210E	4304715447	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 21	16	080S	210E	4304715452	99990	State	WI	A		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 31	14	080S	210E	4304715460	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 35	14	080S	210E	4304715463	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 36	10	080S	210E	4304715464	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 41	15	080S	210E	4304715469	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 43	11	080S	210E	4304715471	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 48	10	080S	210E	4304715476	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 50	15	080S	210E	4304715477	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 32	16	080S	210E	4304716513	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 53	10	080S	210E	4304720003	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 55	14	080S	210E	4304720005	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 59	14	080S	210E	4304720018	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 60	15	080S	210E	4304720019	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 62	10	080S	210E	4304720024	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 65	15	080S	210E	4304720041	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 67	15	080S	210E	4304720043	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 68	15	080S	210E	4304720047	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 72	16	080S	210E	4304720058	99990	State	WI	A		WONSITS VALLEY	710	S	UINTAH	3	ML-2237A	159261960
WVU 73	16	080S	210E	4304720066	5265	State	WI	A		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 74	16	080S	210E	4304720078	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 75	16	080S	210E	4304720085	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 78	16	080S	210E	4304720115	99990	State	WI	A		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 83	23	080S	210E	4304720205	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0809	UT-0969
WVU 97	11	080S	210E	4304730014	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 103	14	080S	210E	4304730021	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 104	15	080S	210E	4304730022	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 105	10	080S	210E	4304730023	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 109	15	080S	210E	4304730045	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 110	14	080S	210E	4304730046	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 112	15	080S	210E	4304730048	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 124	15	080S	210E	4304730745	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	
WVU 126	21	080S	210E	4304730796	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0804	UT-0969
WVU 128	10	080S	210E	4304730798	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 132	15	080S	210E	4304730822	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 136	21	080S	210E	4304731047	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0804	UT-0969
WVU 134	16	080S	210E	4304731118	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 137	11	080S	210E	4304731523	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 28-2	11	080S	210E	4304731524	99990	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVU 141	16	080S	210E	4304731609	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 127	16	080S	210E	4304731611	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 142	16	080S	210E	4304731612	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WVU 133	15	080S	210E	4304731706	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 140	15	080S	210E	4304731707	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVU 40-2	10	080S	210E	4304731798	5265	Federal	WI	A		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat		unit_name	field	county	type	lease #	bond #
WVU 144	10	080S	210E	4304731807	5265	Federal	OW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 143	10	080S	210E	4304731808	5265	Federal	WI	A		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 145	18	080S	220E	4304731820	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVU 121	14	080S	210E	4304731873	5265	Federal	OW	S		WONSITS VALLEY	710 S	UINTAH	1	U-0807	UT-0969
WVU 135-2	21	080S	210E	4304732016	5265	Federal	OW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0804	UT-0969
WVU 130	22	080S	210E	4304732307	5265	Federal	OW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0804	UT-0969
WVU 71-2	15	080S	210E	4304732449	5265	Federal	WI	A		WONSITS VALLEY	710 S	UINTAH	1	U-0807	UT-0969
WVU 119	21	080S	210E	4304732461	5265	Federal	OW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0804	UT-0969
WVU 120	22	080S	210E	4304732462	5265	Federal	WI	A		WONSITS VALLEY	710 S	UINTAH	1	U-0804	UT-0969
WVU 54 WG	07	080S	220E	4304732821	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-22158	UT-0969
WVU 69 WG	18	080S	220E	4304732829	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVU 38 WG	08	080S	220E	4304732831	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 49 WG	08	080S	220E	4304732832	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 138 WG	18	080S	220E	4304733054	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVU 14 WG	12	080S	210E	4304733070	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-806	UT-0969
WVU 11 WG	12	080S	210E	4304733085	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 81 WG	24	080S	210E	4304733086	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0810	UT-0969
WVU 146 WG	19	080S	220E	4304733128	12436	Federal	GW	P		WONSITS VALLEY	630 S	UINTAH	1	U-057	UT-0969
WVU 1W-14-8-21	14	080S	210E	4304733220	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0807	UT-0969
WVU 5W-13-8-21	13	080S	210E	4304733221	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 9W-13-8-21	13	080S	210E	4304733223	12436	State	GW	P		WONSITS VALLEY	710 S	UINTAH	3	ML-3084A	159261960
WVU 46 WG	07	080S	220E	4304733241	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 2W-16-8-21	16	080S	210E	4304733246	12436	State	GW	P		WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVU 2G-16-8-21	16	080S	210E	4304733247	5265	State	OW	P		WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVU 9W-14-8-21	14	080S	210E	4304733269	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0807	UT-0969
WVU 7W-13-8-21	13	080S	210E	4304733270	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 1W-18-8-22	18	080S	220E	4304733294	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVU 11W-8-8-22	08	080S	220E	4304733295	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 3W-8-8-22	08	080S	220E	4304733493	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 5W-7-8-22	07	080S	220E	4304733494	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 11W-7-8-22	07	080S	220E	4304733495	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 13W-7-8-22	07	080S	220E	4304733496	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 1W-7-8-22	07	080S	220E	4304733501	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVU 3W-7-8-22	07	080S	220E	4304733502	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WV 7WRG-7-8-22	07	080S	220E	4304733503	5265	Federal	OW	P		WONSITS VALLEY	710 S	UINTAH	1	UTU-02215	UT-0969
WVU 6W-16-8-21	16	080S	210E	4304733527	12436	State	GW	P	C	WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVU 16W-9-8-21	09	080S	210E	4304733529	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0805	UT-0969
WVU 1W-12-8-21	12	080S	210E	4304733531	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 1W-13-8-21	13	080S	210E	4304733532	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 3W-18-8-22	18	080S	220E	4304733533	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVU 9W-12-8-21	12	080S	210E	4304733534	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 11W-12-8-21	12	080S	210E	4304733535	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 11W-13-8-21	13	080S	210E	4304733536	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 13W-12-8-21	12	080S	210E	4304733537	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVU 13W-18-8-22	18	080S	220E	4304733538	12436	Federal	GW	P		WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	unit_name	field	county	type	lease #	bond #
WVFU 6G-16-8-21	16	080S	210E	4304733564	5265	State	OW	P	WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVFU 16G-9-8-21	09	080S	210E	4304733565	5265	Federal	OW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0805	UT-0969
WVFU 1W-21-8-21	21	080S	210E	4304733602	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	UTU-68217	UT-0969
WVFU 3W-13-8-21	13	080S	210E	4304733603	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 3W-22-8-21	22	080S	210E	4304733604	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0804	UT-0969
WVFU 3W-24-8-21	24	080S	210E	4304733605	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0810	UT-0969
WVFU 13W-13-8-21	13	080S	210E	4304733606	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 13W-14-8-21	14	080S	210E	4304733607	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0807	UT-0969
WVFU 15W-13-8-21	13	080S	210E	4304733608	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 1W-24-8-21	24	080S	210E	4304733613	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0810	UT-0969
WVFU 11W-18-8-22	18	080S	220E	4304733626	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVFU 16W-2-8-21	02	080S	210E	4304733645	5265	State	OW	P	WONSITS VALLEY	710 S	UINTAH	3	ML-2785	159261960
WVFU 9W-2-8-21	02	080S	210E	4304733648	12436	State	GW	P	WONSITS VALLEY	2 S	UINTAH	3	ML-2785	159261960
WVFU 12W-16-8-21	16	080S	210E	4304733649	12436	State	GW	P	WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVFU 12G-16-8-21	16	080S	210E	4304733650	5265	State	OW	P	WONSITS VALLEY	710 S	UINTAH	3	ML-2237	159261960
WVFU 2W-10-8-21	10	080S	210E	4304733655	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 4W-11-8-21	11	080S	210E	4304733657	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 12W-10-8-21	10	080S	210E	4304733659	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 12G-10-8-21	10	080S	210E	4304733660	5265	Federal	OW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 15W-9-8-21	09	080S	210E	4304733661	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0805	UT-0969
WVFU 15G-9-8-21	09	080S	210E	4304733662	5265	Federal	OW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0805	UT-0969
WVFU 2W-13-8-21	13	080S	210E	4304733791	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 6W-13-8-21	13	080S	210E	4304733792	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 8W-13-8-21	13	080S	210E	4304733793	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 10W-1-8-21	01	080S	210E	4304733794	12436	Federal	GW	S	WONSITS VALLEY	710 S	UINTAH	1	U-0802	UT-0969
WVFU 10W-13-8-21	13	080S	210E	4304733795	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 16W-13-8-21	13	080S	210E	4304733796	12436	State	GW	P	WONSITS VALLEY	710 S	UINTAH	3	ML-3084	159261960
WVFU 12W-7-8-22	07	080S	220E	4304733808	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 6W-8-8-22	08	080S	220E	4304733811	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 7W-8-8-22	08	080S	220E	4304733812	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 10W-7-8-22	07	080S	220E	4304733813	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 10W-8-8-22	08	080S	220E	4304733814	13450	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 12W-8-8-22	08	080S	220E	4304733815	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 14W-7-8-22	07	080S	220E	4304733816	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 16W-7-8-22	07	080S	220E	4304733817	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 6W-7-8-22	07	080S	220E	4304733828	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-022158	UT-0969
WVFU 6W-18-8-22	18	080S	220E	4304733842	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVFU 6WC-18-8-22	18	080S	220E	4304733843	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVFU 6WD-18-8-22	18	080S	220E	4304733844	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-057	UT-0969
WVFU 5W-23-8-21	23	080S	210E	4304733860	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0809	UT-0969
WVFU 7W-23-8-21	23	080S	210E	4304733861	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0809	UT-0969
WVFU 8W-12-8-21	12	080S	210E	4304733862	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 10W-12-8-21	12	080S	210E	4304733863	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 14W-12-8-21	12	080S	210E	4304733864	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969
WVFU 16W-12-8-21	12	080S	210E	4304733865	12436	Federal	GW	P	WONSITS VALLEY	710 S	UINTAH	1	U-0806	UT-0969

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well name	Sec	T	R	api	Entity	Lease Type	type	stat		unit_name	field		county	type	lease #	bond #
WVFU 1W-15-8-21	15	080S	210E	4304733902	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 1W-22-8-21	22	080S	210E	4304733903	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-06304	UT-0969
WVFU 1W-23-8-21	23	080S	210E	4304733904	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0809	UT-0969
WVFU 6W-11-8-21	11	080S	210E	4304733906	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WV 7W-22-8-21	22	080S	210E	4304733907	13230	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0804	UT-0969
WVFU 7W-24-8-21	24	080S	210E	4304733908	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0810	UT-0969
WVFU 10W-11-8-21	11	080S	210E	4304733910	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVFU 11W-15-8-21	15	080S	210E	4304733911	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 11W-17-8-21	17	080S	210E	4304733912	13228	Federal	GW	P		WONSITS VALLEY	2	S	UINTAH	1	UTU-68219	UT-0969
WVFU 13W-11-8-21	11	080S	210E	4304733913	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVFU 13W-15-8-21	15	080S	210E	4304733914	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 15W-10-8-21	10	080S	210E	4304733916	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVFU 15W-15-8-21	15	080S	210E	4304733917	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 5W-14-8-21	14	080S	210E	4304733953	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 7W-14-8-21	14	080S	210E	4304733955	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 8W-11-8-21	11	080S	210E	4304733957	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVFU 8W-14-8-21	14	080S	210E	4304733958	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 9W-15-8-21	15	080S	210E	4304733959	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 12W-13-8-21	13	080S	210E	4304733961	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WVFU 14W-13-8-21	13	080S	210E	4304733962	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WVFU 15W-14-8-21	14	080S	210E	4304733963	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WVFU 2W-18-8-22	18	080S	220E	4304733986	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-057	UT-0969
WV 8W-18-8-22	18	080S	220E	4304733989	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-9617	UT-0969
WVFU 10W-18-8-22	18	080S	220E	4304733991	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-057	UT-0969
WVFU 12W-18-8-22	18	080S	220E	4304733993	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-057	UT-0969
WV 14W-18-8-22	18	080S	220E	4304733995	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-057	UT-0969
WVFU 6W-1-8-21	01	080S	210E	4304734008		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	U-0802	UT-0969
WVFU 8W-1-8-21	01	080S	210E	4304734009	12436	Federal	GW	DRL	C	WONSITS VALLEY	710	S	UINTAH	1	U-0802	UT-0969
WV 10G-2-8-21	02	080S	210E	4304734035	5265	State	OW	P		WONSITS VALLEY	2	S	UINTAH	3	ML-2785	159261960
WV 14G-2-8-21	02	080S	210E	4304734036	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2785	159261960
WV 4W-17-8-22	17	080S	220E	4304734038	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-055	UT-0969
WV 16W-1-8-21	01	080S	210E	4304734047		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	U-0802	UT-0969
WV 13G-2-8-21	02	080S	210E	4304734068	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2785-A	159261960
WV 5G-16-8-21	16	080S	210E	4304734107	5265	State	OW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 12G-1-8-21	01	080S	210E	4304734108	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0802	UT-0969
WV 2W-14-8-21	14	080S	210E	4304734140	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	U-0969
GH 2W-21-8-21	21	080S	210E	4304734141	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0804	U-0969
WV 2W-23-8-21	23	080S	210E	4304734142	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0809	U-0969
GH 3W-21-8-21	21	080S	210E	4304734143	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0804	U-0969
WV 4W-13-8-21	13	080S	210E	4304734144	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
GH 4W-21-8-21	21	080S	210E	4304734145	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0804	UT-0969
WV 4W-22-8-21	22	080S	210E	4304734146	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0804	U-0969
WV 16W-11-8-21	11	080S	210E	4304734155	12436	Federal	GW	S		WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 3W-19-8-22	19	080S	220E	4304734187	12436	Federal	GW	P		WONSITS VALLEY	630	S	UINTAH	1	UTU-057	UT-0969
WV 4W-23-8-21	23	080S	210E	4304734188	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-809	UT-0969

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well name	Sec	T	R	api	Entity	Lease Type	type	stat		unit_name	field		county	type	lease #	bond #
WV 6W-23-8-21	23	080S	210E	4304734189	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-809	UT-0969
WV 11W-16-8-21	16	080S	210E	4304734190	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 13W-16-8-21	16	080S	210E	4304734191	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237A	159261960
WV 14W-16-8-21	16	080S	210E	4304734192	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 15W-16-8-21	16	080S	210E	4304734224	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 16W-16-8-21	16	080S	210E	4304734225	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237A	159261960
WV 2W-15-8-21	15	080S	210E	4304734242	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 2W-22-8-21	22	080S	210E	4304734243	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0804	UT-0969
WV 4W-14-8-21	14	080S	210E	4304734244	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WV 6W-12-8-21	12	080S	210E	4304734245	12436	Federal	GW	TA		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
WV 7W-15-8-21	15	080S	210E	4304734246	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	U-0807	UT-0969
WV 8W-15-8-21	15	080S	210E	4304734247	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
√ 12W-12-8-21	12	080S	210E	4304734248	12436	Federal	GW	TA		WONSITS VALLEY	710	S	UINTAH	1	U-0806	UT-0969
√ 14W-15-8-21	15	080S	210E	4304734249	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 16W-10-8-21	10	080S	210E	4304734250	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 16W-15-8-21	15	080S	210E	4304734251	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 1W-11-8-21	11	080S	210E	4304734263		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 2W-11-8-21	11	080S	210E	4304734264		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 2W-12-8-21	12	080S	210E	4304734265	12436	Federal	GW	DRL	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 3W-11-8-21	11	080S	210E	4304734266		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 3W-12-8-21	12	080S	210E	4304734267		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 4W-12-8-21	12	080S	210E	4304734268		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 5W-11-8-21	11	080S	210E	4304734269		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 5W-12-8-21	12	080S	210E	4304734270	12436	Federal	GW	DRL	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 6W-14-8-21	14	080S	210E	4304734271	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 9W-11-8-21	11	080S	210E	4304734274		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 10W-14-8-21	14	080S	210E	4304734275	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 11W-11-8-21	11	080S	210E	4304734276		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 11W-14-8-21	14	080S	210E	4304734277	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 12W-11-8-21	11	080S	210E	4304734278		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
√ 12W-14-8-21	14	080S	210E	4304734279	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
√ 14W-11-8-21	11	080S	210E	4304734280		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 14W-14-8-21	14	080S	210E	4304734281	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 15W-11-8-21	11	080S	210E	4304734282		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0806	UT-0969
WV 16W-14-8-21	14	080S	210E	4304734283	5265	Federal	OW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 1W-16-8-21	16	080S	210E	4304734288		State	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 3W-15-8-21	15	080S	210E	4304734289		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 3W-16-8-21	16	080S	210E	4304734290		State	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 4W-15-8-21	15	080S	210E	4304734291		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 4W-16-8-21	16	080S	210E	4304734292		State	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960
WV 5W-15-8-21	15	080S	210E	4304734293		Federal	GW	APD	C	WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 6W-15-8-21	15	080S	210E	4304734294	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WV 10W-15-8-21	15	080S	210E	4304734295	12436	Federal	GW	P		WONSITS VALLEY	710	S	UINTAH	1	UTU-0807	UT-0969
WVU 5W-16-8-21	16	080S	210E	4304734321	12436	State	GW	DRL		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	04127294
WV 7W-16-8-21	16	080S	210E	4304734322	12436	State	GW	P		WONSITS VALLEY	710	S	UINTAH	3	ML-2237	159261960

SEI (N4235) to QEP (N2460) WONSITS VALLEY UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat		unit_name	field		county	type	lease #	bond #
WV 8W-16-8-21	16	080S	210E	4304734323		State	GW	APD		WONSITS VALLEY	710 S		UINTAH	3	ML-2237	159261960
WV 9W-16-8-21	16	080S	210E	4304734325	12436	State	GW	P		WONSITS VALLEY	710 S		UINTAH	3	ML-2237	159261960
WV 10W-16-8-21	16	080S	210E	4304734326	12436	State	GW	P		WONSITS VALLEY	710 S		UINTAH	3	ML-2237	159261960
WVU 4W-24-8-21	24	080S	210E	4304734330	12436	Federal	GW	P		WONSITS VALLEY	710 S		UINTAH	1	UTU-0810	U-0969
WVU 2W-24-8-21	24	080S	210E	4304734337		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-0810	UT-0969
WVU 6W-24-8-21	24	080S	210E	4304734338		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-0810	UT-0969
WVU 8W-23-8-21	23	080S	210E	4304734339		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-0809	UT-0969
WVU 8W-24-8-21	24	080S	210E	4304734340	12436	Federal	GW	P	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-0810	UT-0969
WV 2G-7-8-22	07	080S	220E	4304734355		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 2W-7-8-22	07	080S	220E	4304734356		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 4G-8-8-22	08	080S	220E	4304734357		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 4WA-18-8-22	18	080S	220E	4304734358		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
√ 4WD-18-8-22	18	080S	220E	4304734359		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
√ 13WA-18-8-22	18	080S	220E	4304734361		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 13WD-18-8-22	18	080S	220E	4304734362		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 2WA-18-8-22	18	080S	220E	4304734426		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 2WD-18-8-22	18	080S	220E	4304734427		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 3WA-18-8-22	18	080S	220E	4304734428		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 3WD-18-8-22	18	080S	220E	4304734429		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-057	UT-0969
WV 4W-8-8-22	08	080S	220E	4304734457		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 1W-8-8-22	08	080S	220E	4304734467		Federal	GW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 2W-8-8-22	08	080S	220E	4304734468	12436	Federal	GW	P	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 8W-7-8-22	07	080S	220E	4304734469	12436	Federal	GW	DRL	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	UT-0969
WV 8W-22-8-21	22	080S	210E	4304734564	12436	Federal	GW	P	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-0804	U-0969
WV 3G-8-8-22	08	080S	220E	4304734596	5265	Federal	OW	TA	C	WONSITS VALLEY	710 S		UINTAH	1	U-022158	U-0969
WONSITS VALLEY 1G-7-8-22	07	080S	220E	4304734597		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	U-022158	U-0969
WONSITS VALLEY 5G-8-8-22	08	080S	220E	4304734612		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
WONSITS VALLEY 7G-8-8-22	08	080S	220E	4304734613		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-76508	U-0969
WV 11G-8-8-22	08	080S	220E	4304734614		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
WV 13G-8-8-22	08	080S	220E	4304734615		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
√ 15G-7-8-22	07	080S	220E	4304734626		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
√ 11G-7-8-22	07	080S	220E	4304734627		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
WONSITS VALLEY 7G-7-8-22	07	080S	220E	4304734628		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
WONSITS VALLEY 9G-7-8-22	07	080S	220E	4304734629		Federal	OW	APD	C	WONSITS VALLEY	710 S		UINTAH	1	UTU-02215	U-0969
WV EXT 2W-17-8-21	17	080S	210E	4304734928	12436	Federal	GW	DRL	C	WONSITS VALLEY	610 S		UINTAH	1	UTU-68219	UT-1237

Lessee's or Operator's Representative:

John Busch
Red Wash Operations Rep.
QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, Utah 84078
(435) 781-4341

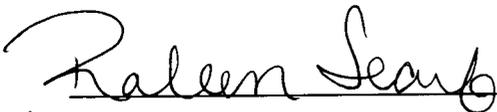
Certification:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil & Gas Orders, the approved plan of operations, and any applicable Notice to Lessees.

QEP Uinta Basin, Inc. will be fully responsible for the actions of their subcontractors.

A complete copy of the approved Application for Permit to Drill will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by QEP Uinta Basin, Inc. its' contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.



for John Busch
Red Wash Operations Representative

October 20, 2003

Date

CONFIDENTIAL

010

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 3

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-2237
6. SURFACE: TRIBAL
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE
8. UNIT OF CA AGREEMENT NAME: WONSITS VALLEY FED. UNIT
9. WELL NAME and NUMBER: WV 5G-16-8-21
10. FIELD AND POOL, OR WILDCAT: WONSITS VALLEY
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 16 8S 21E
12. COUNTY: UTAH
13. STATE: UTAH

1A. TYPE OF WORK: DRILL [] REENTER [x] DEEPEN []
B. TYPE OF WELL: OIL [x] GAS [] OTHER [] SINGLE ZONE [x] MULTIPLE ZONE []
2. NAME OF OPERATOR: QEP UTAH BASIN, INC.
3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-4309
4. LOCATION OF WELL (FOOTAGES): 444241 Y 40.12531 BHL 4442849 Y 40.12998
AT SURFACE: 2025' FNL, 685' FWL, 622167 Y -109.56624 622203 X -109.56574
AT PROPOSED PRODUCING ZONE: 686' FNL, 782' FWL (NORTH), 2164' FNL, 2259' FWL (EAST) NWNW
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 8 +/- MILES EAST OF OURAY, UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): 665' +/-
16. NUMBER OF ACRES IN LEASE: 640
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 60' +/-
19. PROPOSED DEPTH: MD - 6691', TVD - 6350' NORTH; MD - 6825', TVD - 6291' (EAST)
20. BOND DESCRIPTION: 965-003-032
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4749' KB
22. APPROXIMATE DATE WORK WILL START: ASAP
23. ESTIMATED DURATION: 30 DAYS

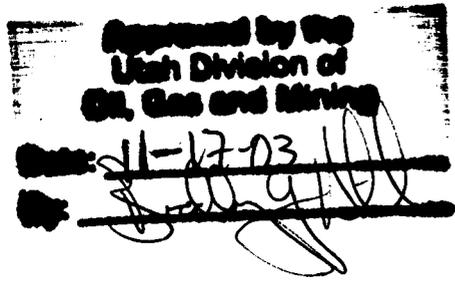
Table with 4 columns: SIZE OF HOLE, CASING SIZE, GRADE, AND WEIGHT PER FOOT, SETTING DEPTH, CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT. Rows include 4 3/4" OPEN HOLE COMPLETION with references to attached drilling programs.

25 ATTACHMENTS
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERATION GENERAL RULES:
[] WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
[] COMPLETE DRILLING PLAN
[] EVIDNECE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
[] FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OW

NAME (PLEASE PRINT) RALEEN SEARLE TITLE REGULATORY AFFAIRS ANALYST
SIGNATURE [Signature] DATE 10/20/2003

(This space for State use only)
API NUMBER ASSIGNED: 43-047-34107 APPROVAL: [Signature]

(11/2001)



(See Instruction on Reverse Side)

RECEIVED
OCT 22 2003

DIV. OF OIL, GAS & MINING CONFIDENTIAL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/22/2003

API NO. ASSIGNED: 43-047-34107

WELL NAME: WV 5G-16-8-21

OPERATOR: QEP UINTA BASIN, INC. (N2460)

CONTACT: JOHN BUSCH

PHONE NUMBER: 435-781-4341

PROPOSED LOCATION:

SWNW 16 080S 210E
SURFACE: 2025 FNL 0665 FWL
BOTTOM: 2164 FNL 2259 FWL
UINTAH
WONSITS VALLEY (710)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	11/19/03
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: ML-2237 *OK*

SURFACE OWNER: 2 - Indian

LATITUDE: 40.12539

PROPOSED FORMATION: GRRV

LONGITUDE: -109.5660

RECEIVED AND/OR REVIEWED:

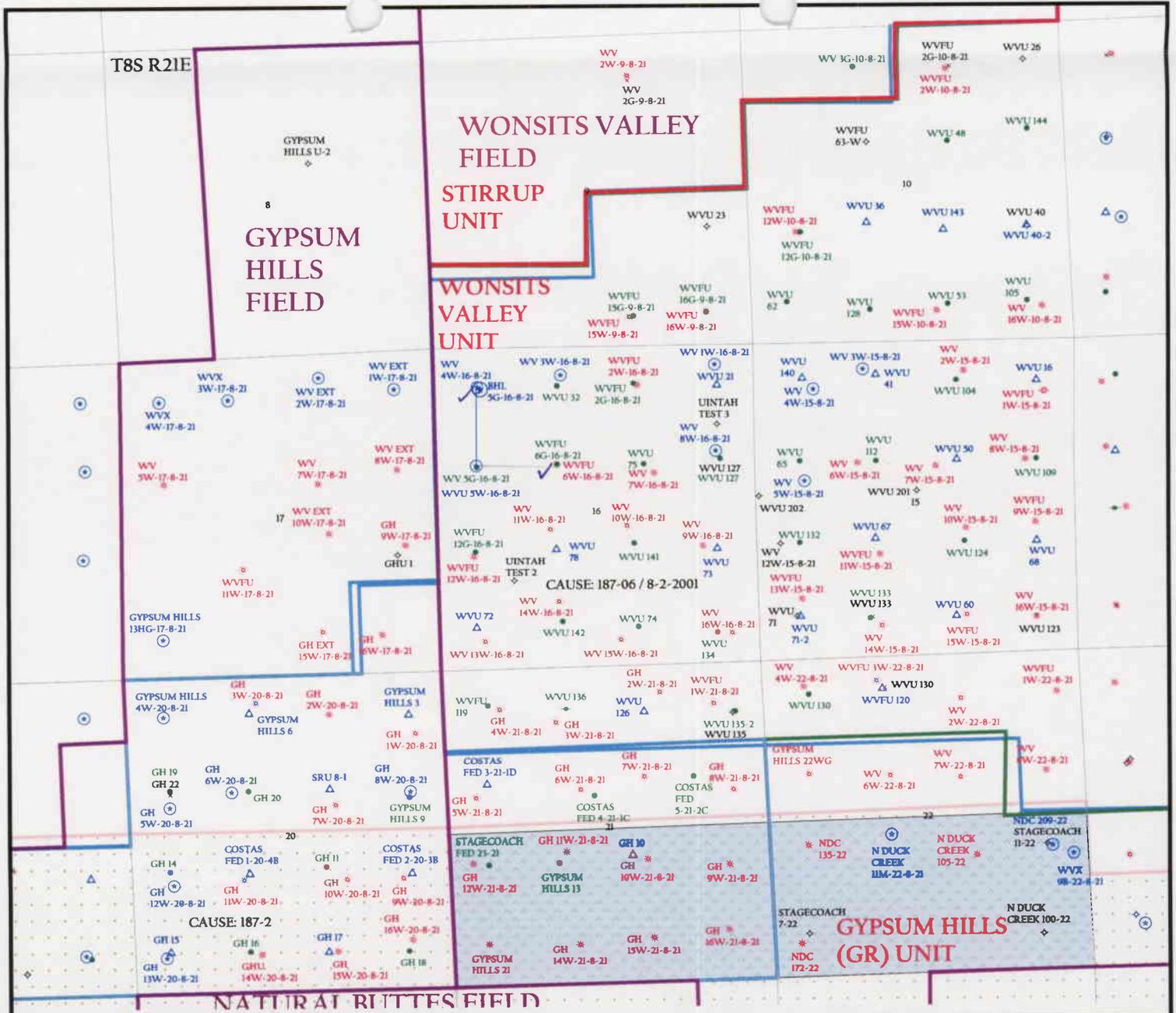
- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 965003032 *OK*)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 36125)
- RDCC Review (Y/N)
(Date: _____)
- NA* Fee Surf Agreement (Y/N)

LOCATION AND SITING:

- _____ R649-2-3.
- Unit WONSITS VALLEY
- _____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 187-06
Eff Date: 8-2-2001
Siting: Suspends General Siting
- R649-3-11. Directional Drill ** Horizontal*

COMMENTS: _____

STIPULATIONS: _____



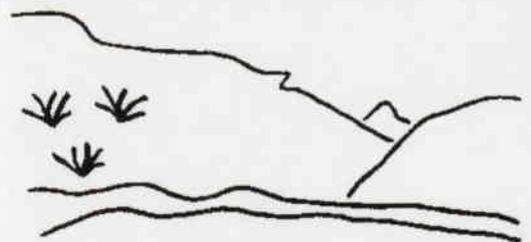
OPERATOR: QEP UINTA BASIN (N2460)

SEC. 16 T.8S, R.21E

FIELD: WONSITS VALLEY (710)

COUNTY: UINTAH

CAUSE: 187-06 / 8-2-2001



Utah Oil Gas and Mining

- Wells**
- GAS INJECTION
 - GAS STORAGE
 - LOCATION ABANDONED
 - NEW LOCATION
 - PLUGGED & ABANDONED
 - PRODUCING GAS
 - PRODUCING OIL
 - SHUT-IN GAS
 - SHUT-IN OIL
 - TEMP. ABANDONED
 - TEST WELL
 - WATER INJECTION
 - WATER SUPPLY
 - WATER DISPOSAL

- Unit Status**
- EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PENDING
 - PI OIL
 - PP GAS
 - PP GEOTHERML
 - PP OIL
 - SECONDARY
 - TERMINATED

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED



PREPARED BY: DIANA WHITNEY
DATE: 31-OCTOBER-2003

QUESTAR
EXPLORATION AND PRODUCTION/UINTA BASIN DIVISION



October 28, 2003

11002 East 17500 South, Vernal, UT 84078
(435) 781-4300 (Office) (435) 781-4323 fax)

SENT TO: Diana Whitney
PHONE: 801-538-5312

FROM: Raleen Searle

PHONE: (435) 781-4309

TOTAL NUMBER OF PAGES BEING SENT (including this one) 7

NOTE: Diana:

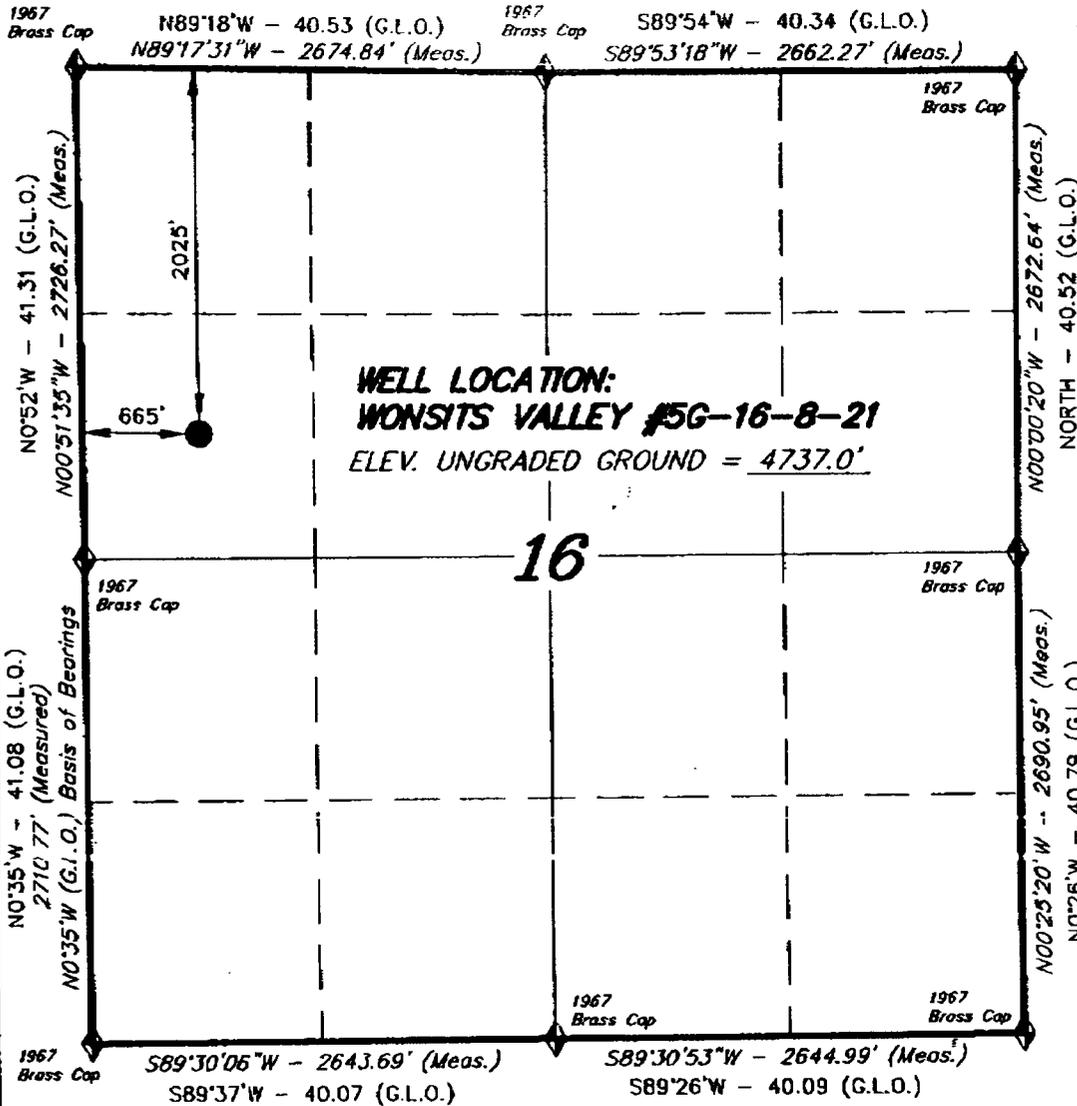
Here is the legal plat and drilling program for the reenter on the WV 5G-16-8-21. Please let me know if you any further information.

Thank you,
Raleen

RECEIVED
OCT 28 2003
DIV. OF OIL, GAS & MINING

T8S, R21E, S.L.B.&M.

SHENANDOAH ENERGY, INC.



WELL LOCATION, WONSITS VALLEY #5G-16-8-21, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 16, T8S, R21E, S.L.B.&M. UTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



TRI STATE LAND SURVEYING & CONSULTING
38 WEST 100 NORTH - VERNAL, UTAH 84078
(435) 781-2501

SCALE:	1" = 1000'	SURVEYED BY:	C.D.S.
DATE:	4-23-01	WEATHER:	HOT
DRAWN BY:	J.R.S.	FILE #	

WONSITS VALLEY #5G-16-8-21
LATITUDE = 40° 07' 31.33"
LONGITUDE = 109° 34' 00.47"

◆ = SECTION CORNERS LOCATED
BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (OURAY SE)

CONFIDENTIAL

011

QEP Uinta Basin, Inc.
WV 5G-16-8-21 Reenter

DRILLING PROGRAM

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth(Existing)</u>	<u>North Lateral</u>	<u>East Lateral</u>
Uinta	Surface	Surface	Surface
Green River	2680'	same	same
Mahogany Ledge	3415'	same	same
Wasatch	5337'	same	same
TD (Green River)	6033'	MD-6591, TVD-5350'	MD-6825', TVD - 5291'

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Green River	6033'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the State of Utah form OGC-8-X is acceptable. If no flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right #36125 or where possible a fresh water line (poly pipe) will be laid in the access road to each location to supply fresh water for drilling purposes.

QEP Uinta Basin, Inc.
 WV 5G-16-8-21 Reenter

DRILLING PROGRAM

3. Surface Ownership

The well pad and access road are located on lands owned by the Ute Tribe.

4. Operator's Specification for Pressure Control Equipment:

- A. 3,000 psi W.P. Double Gate BOP or Single Gate BOP (schematic attached)
- B. Functional test daily
- C. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing whichever is less. Tests shall be done at the time of installation, prior to drilling out and weekly. All tests shall be for a period of 15 minutes

5. Casing Program

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Type</u>	<u>Weight</u>
from WCR Production Surface	6690' 450'	7 7/8" 12-1/4"	5 1/2" 9-5/8"	J-55 K-55	15.5 lb/ft 36lb/ft (new) Existing Well Bore
Production North Lateral		4 -3/4"	Open Hole Completion	K-55	36 lb/ft
Production East Lateral		4 -3/4"	Open Hole Completion	K-55	36 lb/ft

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes

If using Air Drilling the following will be used:

- F. The blooie line shall be at least 6" in diameter and extend at least 100' from the well bore into the reserve/blooie pit.
- G. Blooie line ignition shall be provided by a continuous pilot (ignited when drilling below 500').

QEP Uinta Basin, Inc.
WV 5G-16-8-21 Reenter

DRILLING PROGRAM

- H. Compressor shall be tied directly to the blooie line through a manifold.
 - I. A mister with a continuous stream of water shall be installed near the end of the blooie lines for dust suppression.
7. Surface hole will be drilled with air, air/mist, foam, or mud depending on hole conditions. Drilling below surface casing will be with water based drilling fluids consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash and polymers. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used, oil concentration will be less than 4% by volume. Maximum anticipated mud weight is 9.5 PPG.
- No minimum quantity of weight material will be required to be kept on location.
- PVT/Flow Show will be used from base of surface casing to TD.
- Gas detector will be used from surface casing depth to TD.
8. Testing, logging and coring program
- A. Cores – none anticipated
 - B. DST – none anticipated
- Logging – Mud logging – 4500 to TD
GR-SP-Induction
Neutron Density
MRI
- C. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.

QEP Uinta Basin, Inc.
WV 5G-16-8-21 Reenter

DRILLING PROGRAM

9. Cementing Program

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
---------------	---------------	-----------------------------

No cementing will be used since completing as open hole in existing well bore of the WV 5G-16-8-21.

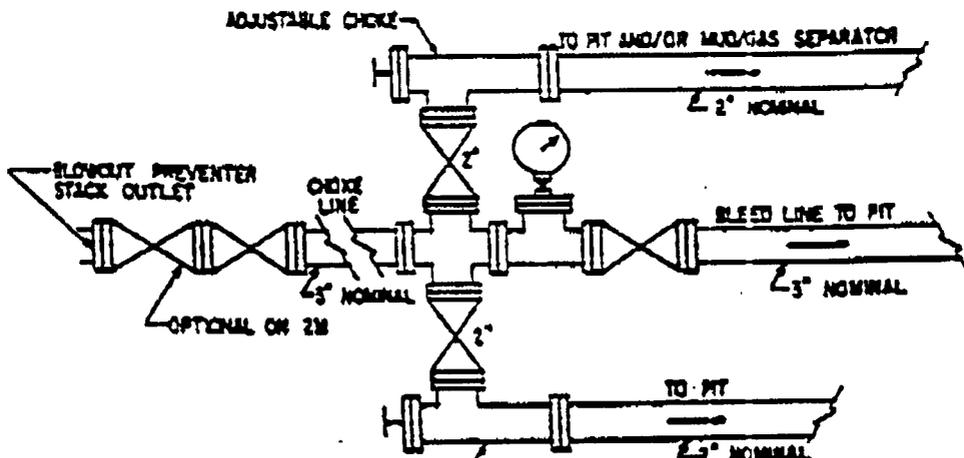
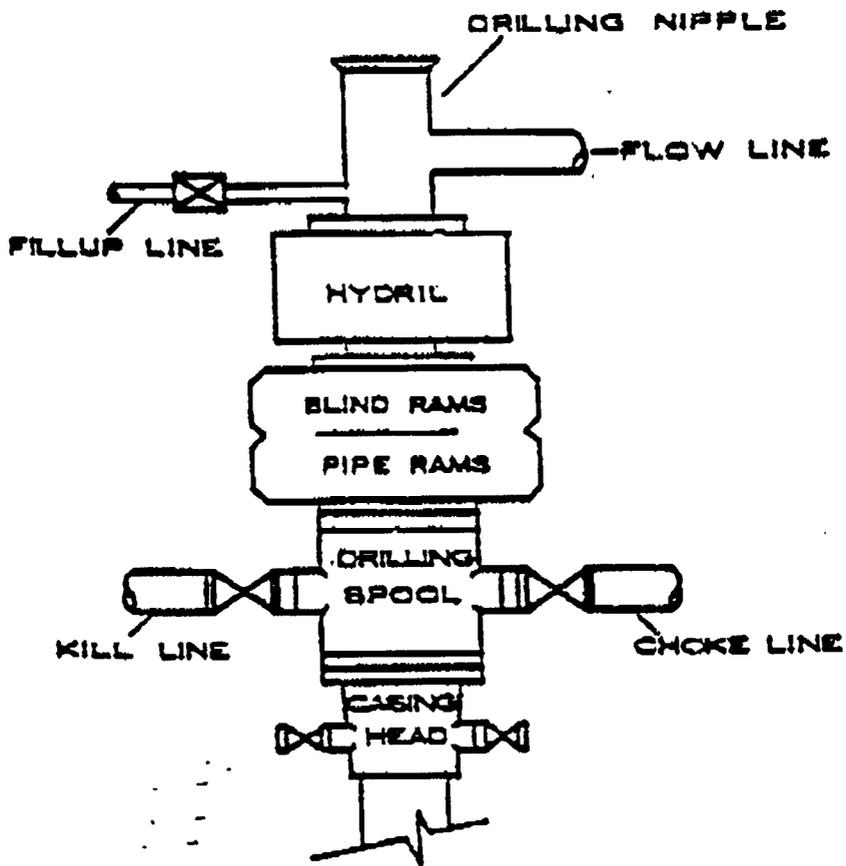
*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface. A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

10. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately North Lateral 2636.4, East Lateral 2116.4 psi. Maximum anticipated bottom hole temperature is 140° F.

Drilling Program

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

November 4, 2003

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2003 Plan of Development Wonsits Valley Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be re-entered and two horizontal legs drilled. The activity is planned for calendar year 2003 within the Wonsits Valley Unit

Api Number	Well	Location
(Proposed PZ Green River)		
43-047-34017	WVU 5G-16-8-21	Sec. 16 T08S R21E 2025 FNL 0665 FWL
	North Leg to TD at	Sec. 16 T08S R21E 0686 FNL 0782 FWL
	East Leg to TD at	Sec. 16 T08S R21E 2164 FNL 2259 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File - Wonsits Valley Unit
Division of Oil Gas and Mining
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-4-3

QUESTAR
EXPLORATION AND PRODUCTION/UINTA BASIN DIVISION



November 13, 2003

11002 East 17500 South, Vernal, UT 84078
(435) 781-4300 (Office) (435) 781-4323 fax)

SENT TO: Clinton Dworshak
PHONE: 801-538-5280

FROM: Raleen Searle

PHONE: (435) 781-4309

TOTAL NUMBER OF PAGES BEING SENT (including this one) 20

NOTE: Clint:

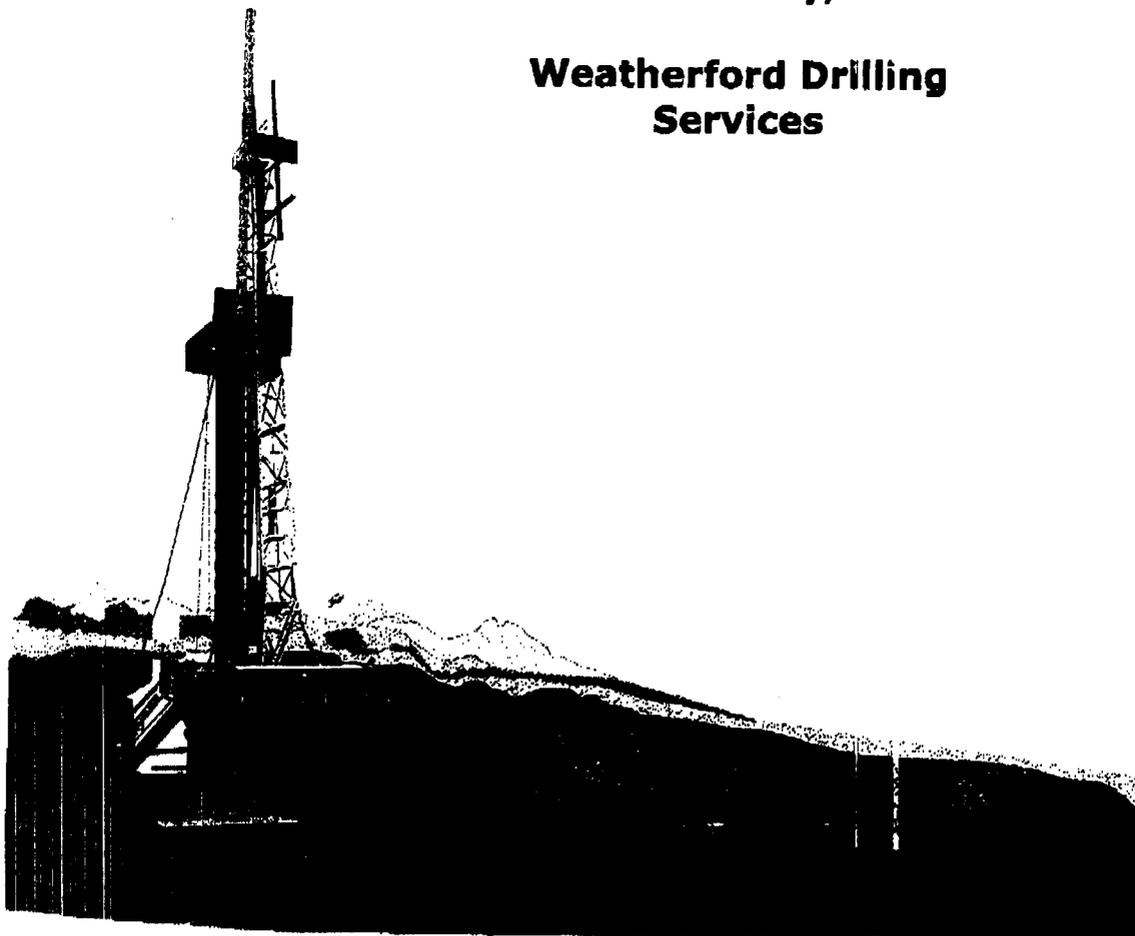
This is the drilling program for the re-enter on the 5G-16-8-21. Could you please let me know if this doesn't have all the information that you need.

Thank you,
Raleen



**Questar
5G-16-8-21
Multi-Lateral Horizontal
Uintah County, Utah**

**Weatherford Drilling
Services**



410 17th Street
Suite 250
Denver, CO 80202
(303) 825-6558 Tele
(303) 825-2927 Fax



September 18, 2003

Mr. Kevin O'Connell
Drilling Manager
Questar Exploration & Production
Denver, Colorado

Ref: **Directional Drilling Services &
Selective Re-Entry Multi-Lateral System
SG-16-8-21**

Kevin:

Thank you for the opportunity to provide Directional Drilling and our Selective Re-Entry casing exit system on your upcoming multi-lateral, re-entry project in the Uintah County, Utah.

Program Outline: SRS Casing Exit System

1. Set 5 1/2" "Cardium" Casing Packer. Run Gyro determine profile azimuth.
2. Adjust to desired azimuth and set Whipstock at +/- 5150' KOP
3. Mill window in 5 1/2", 15.5# casing at desired degrees Azimuth.
4. Build curve section into G1 lime pay zone at +/-5318' TVD.
5. Drill 4 3/4" lateral to North Target. Approximately 1000' of payzone.
6. Retrieve whipstock.
7. Option to re-set whipstock, mill 2nd window, build curve, and drill East lateral.
8. Retrieve whipstock.
9. Place well back on rod pump w/ intake set in 5 1/2" casing sump just above packer. and below inflow from lateral(s), open hole production.

We have been having tremendous success with this system in the Williston Basin for several operators (Cortez Oil & Gas-Jimmy Smith, Encore- John Rodgers, and Amerada Hess).

We are proposing to utilize Weatherford's Wireline Steering tool telemetry system for several reasons including short radius drilling endurance and capability (up to 60 degree per hundred BUR) and the tremendous operational run times that we are experiencing in slimhole (4 1/2"-4 3/4" boreholes)

I. Weatherford Directional Services will provide:

Wireline Steering Tool Telemetry, Directional Supervision, and Mud Motors

II. Weatherford's Selective Re-entry System for multiple casing exits allows directional and horizontal laterals to be drilled which can easily be re-entered at future dates if necessary.

The construction of the wellbore enables the artificial lift system to produce from a "sump" beneath oil & gas inflow from the multi-laterals.

III. Weatherford Fishing & Rentals will provide the 2 7/8" drilling tubulars and full field services

Sincerely,

Steve Schmitz P.E.
Technical Sales Rep.
Cell Phone: 303.882.1293
Steve.Schmitz@Weatherford.com

Bruce Coates
Operations Manager- Casper
307.235.1413
Bruce.Coates@Weatherford.com

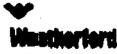
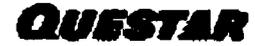
Shad Jackson
Operations Manager- Vernal, Utah
Office: 435.789.0445
Cell: 435.671.2960
Kenneth.Jackson@Weatherford.com

Larren Holdren
Directional Coordinator- Casper
307.235.1413
Larren.Holdren@Weatherford.com

George Stewart
Technical Advisor
Office: 307-473-1250
Cellular: 307-262-3847
George.Stewart@Weatherford.com

Larry E. Williams
Operations Manager- Midland
915.561.8892
Larry.E.Williams@Weatherford.com

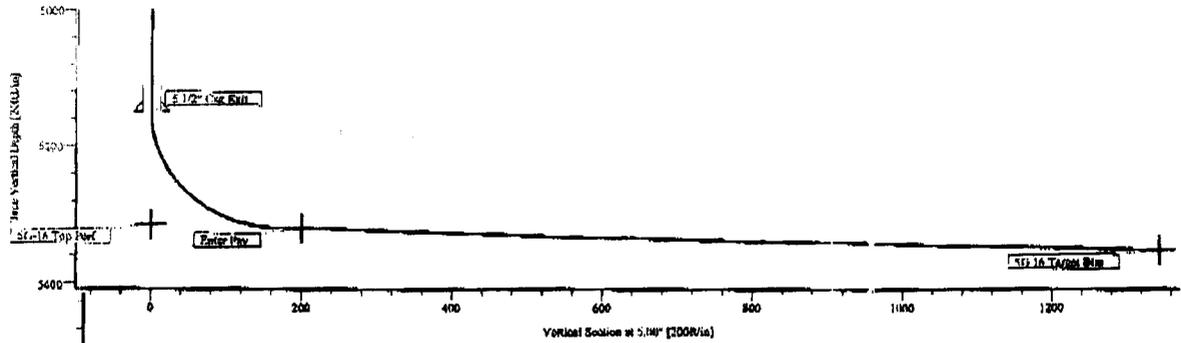
Questar- Uintah Basin



5G-16-8-21
 Sec 16 T8S R21E Uintah County, Utah
 SW/NW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Int	Alt	TVD	+N-S	+E-W	DLeg	TFace	VSec	Target
1	0.0	0.00	5.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5150.0	0.00	3.00	5150.0	0.0	0.0	0.00	0.00	0.0	
3	5409.3	88.00	3.00	5318.7	162.3	14.2	32.94	5.00	162.9	Enter Pay
4	5446.4	88.00	5.00	5320.0	199.2	17.4	0.00	0.00	200.0	IG 16 Target Mem
5	6590.8	89.00	5.00	5350.0	1338.9	117.1	0.09	0.00	1344.0	

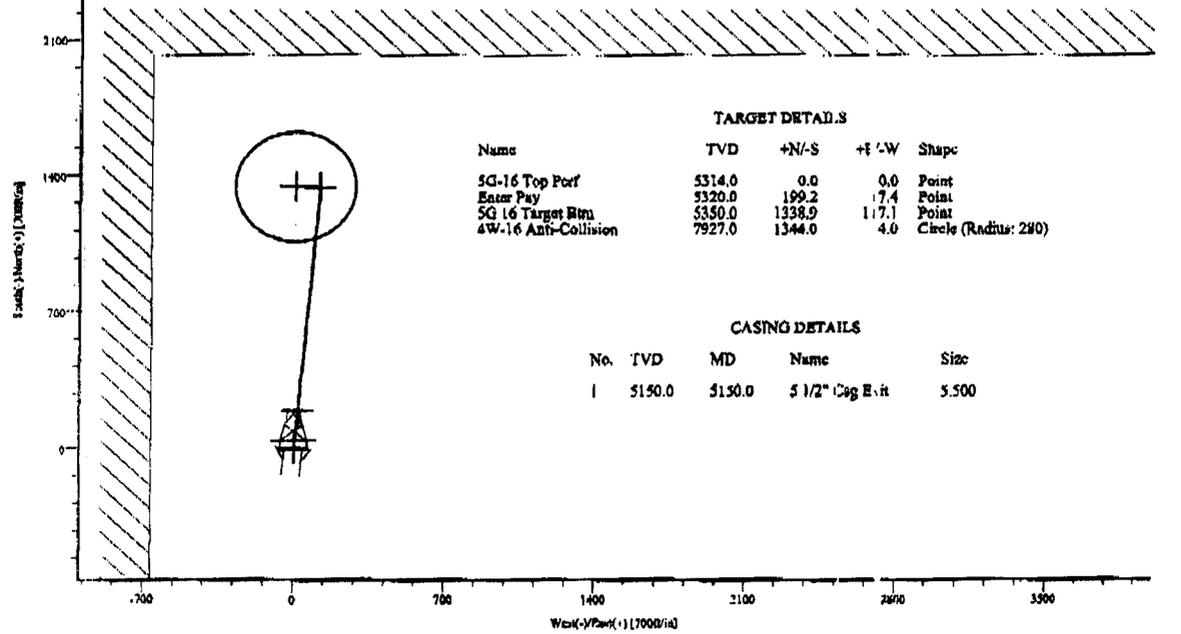


TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
5G-16 Top Perf	5314.0	0.0	0.0	Point
Enter Pay	5320.0	199.2	17.4	Point
5G 16 Target Rtn	5350.0	1338.9	117.1	Point
4W-16 Anti-Collision	7927.0	1344.0	4.0	Circle (Radius: 280)

CASING DETAILS

No.	TVD	MD	Name	Size
1	5150.0	5150.0	5 1/2\" Cag E-It	5.500



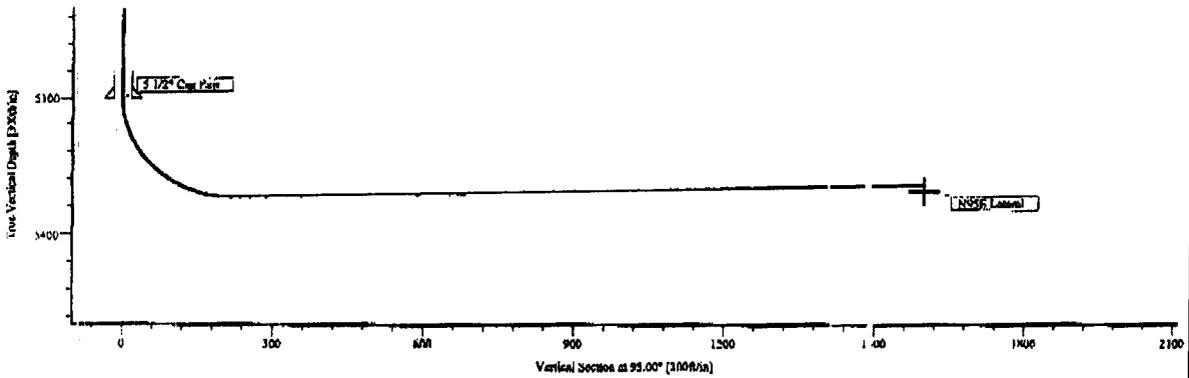
Questar- Uintah Basin

Weatherford

5G-16-B-21
 Sec 16 T8S R21E Uintah County, Utah
 SWNW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLog	TFace	V-co	Target
1	5100.0	0.00	5.00	5100.0	0.0	0.0	0.00	0.00	1.0	
2	3448.5	91.17	95.00	3319.0	-19.5	222.6	26.16	0.00	22.5	
3	6825.3	91.17	95.00	5291.0	-139.4	1593.9	0.00	0.00	160.0	

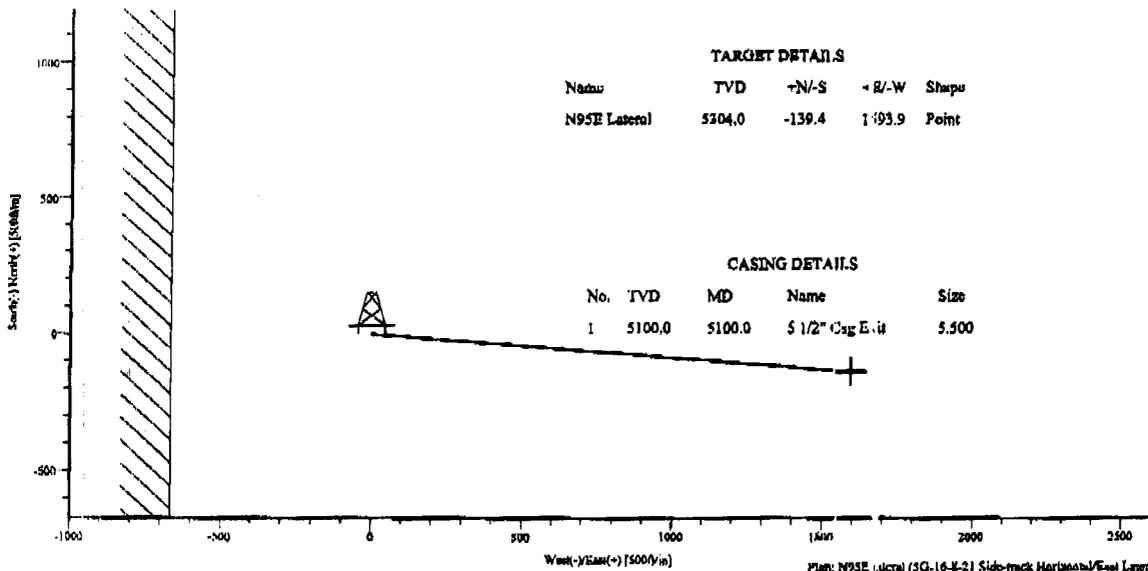


TARGET DETAILS

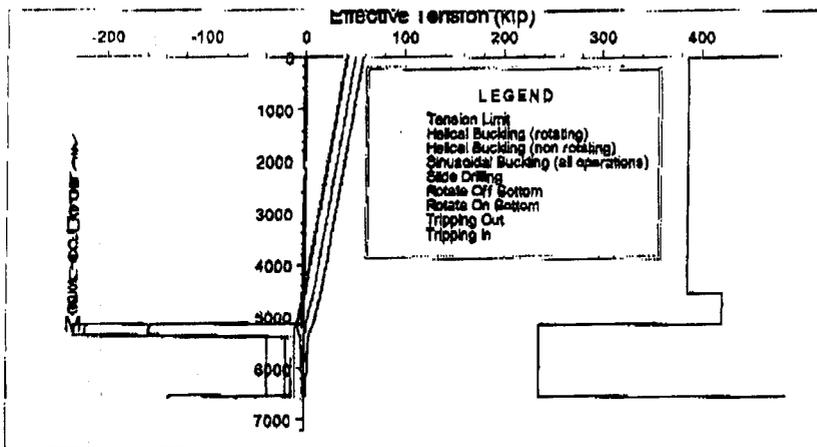
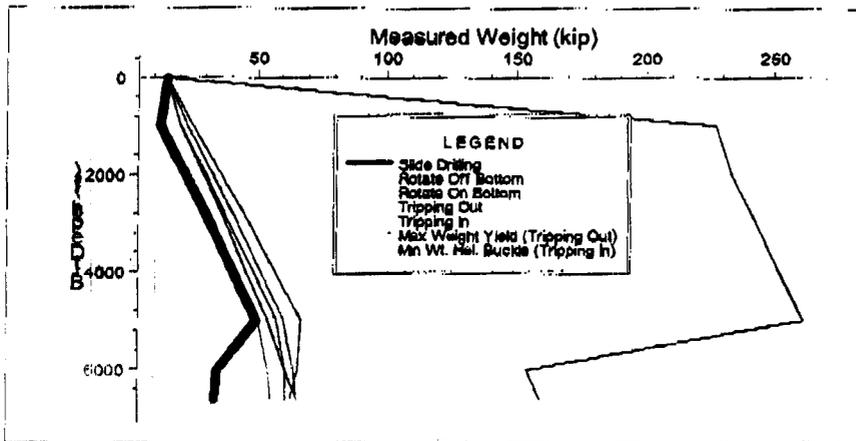
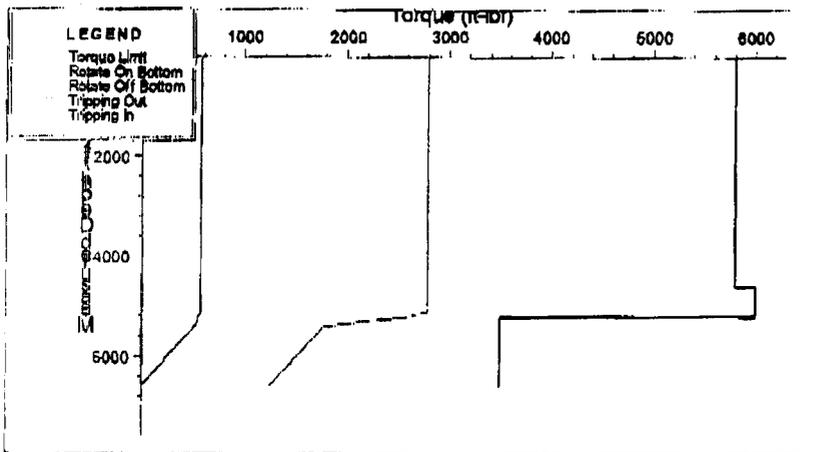
Name	TVD	+N/-S	+E/-W	Shape
N95E Lateral	5204.0	-139.4	1593.9	Point

CASING DETAILS

No.	TVD	MD	Name	Size
1	5100.0	5100.0	5 1/2" Csg. Pipe	5.500

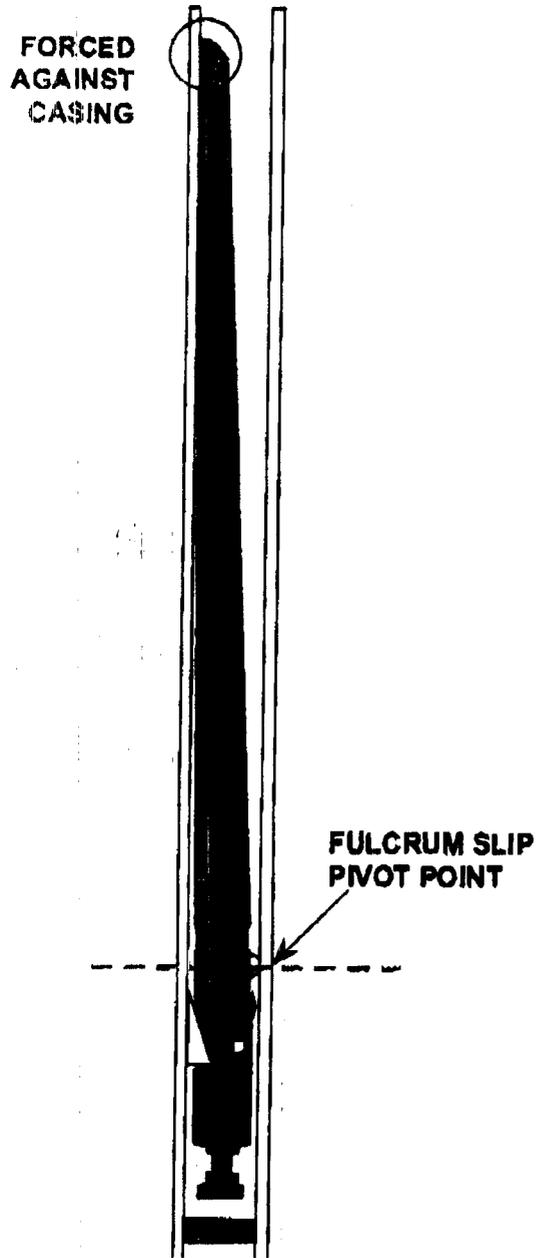


Plan: N95E Lateral (5G-16-B-21 Side-track Maricopa/Fuel Lateral)
 Created By: B. va Schmitz, P.E. Date: 9/19/2003
 Checked: _____ Date: _____





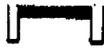
Whipback Whipstock



Mechanical Trip - Retrievable

Whipstock Diameter: 6"
Mill Diameter: 6 1/2"
Concave Face: 2.15

Casing Size: 7 5/8"
Casing Weight: 39#



FIRST RUN ASSEMBLY



HWDP or Drill Collars

Orientation Sub

Drill Pipe or Pup Jt.

Bit Sub

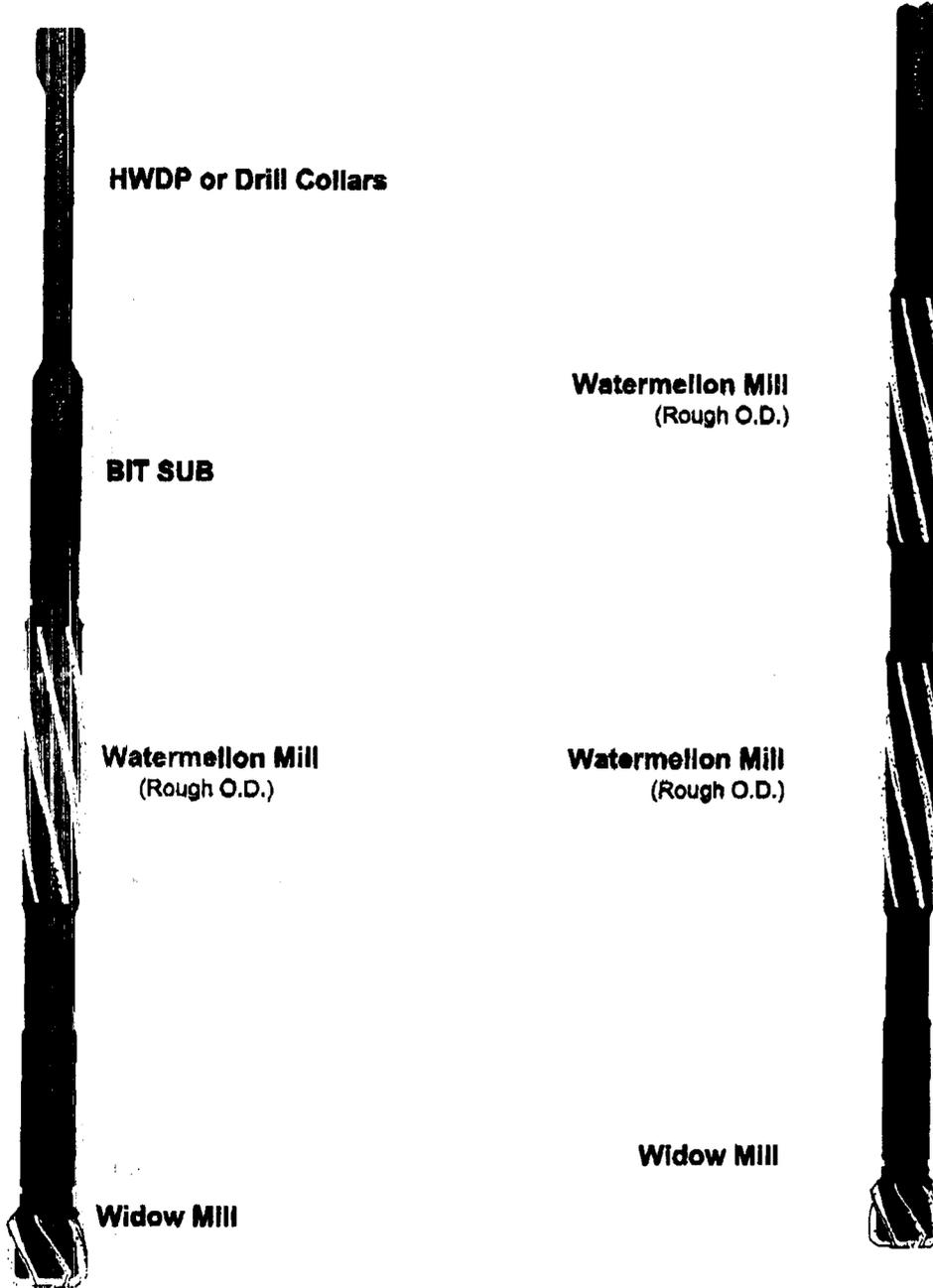
Starting Mill

**Shear Stud Required
18,000 lbs.**

**Roll Pin Shear Required:
8,800 lbs.**



SECOND RUN ASSEMBLY (THIRD RUN ALSO, IF REQUIRED)





Weatherford

DRILL PIPE SPECIFICATIONS

Connection Type	2 7/8" RFO
Interchangeable With	2 7/8" OH
Nominal Weight per Foot	10.4 Lbs.
API Grade	S135

TOOL JOINT DATA

Outside Diameter	3 7/8	Inches
Minimum Outside Diameter	3 39/64	Inches
Inside Diameter	2 5/32	Inches
API Drift, New	1.963	Inches
Rabbit OD, Suggested	1 - 7/8	Inches
Minimum Make-up Torque	5,300	Ft Lbs
Max Recom'd Make-up Torque	5,800	Ft Lbs
Torsional Yield Strength	8,800	Ft Lbs

TUBE DATA

Adjusted Weight w/Tool Joint	10.51	Lbs
Outside Diameter	2.88	inches
Inside Diameter	2.151	Inches
Wall Thickness - New	0.362	Inches
- Premium	0.290	Inches
Cross Sectional Area - New	2.858	Sq In
- Premium	2.221	Sq In
Minimum Yield Strength	135,000	Psi
Minimum Ultimate Strength	145,000	Psi
Maximum Pull - New	*263,000	Lbs
Recom'd Max Pull - Premium	*263,000	Lbs
Burst Pressure - New	29,500	Psi
- Premium	27,200	Psi
Collapse Pressure - New	29,700	Psi
- Premium	25,800	Psi
Torsional Yield Strength - New	20,800	Ft Lbs
-Premium	15,900	Ft Lbs
Tube Capacity	188.8	Gal/1000'
Tube Displacement	155.4	Gal/1000'

* Tool joint is weaker than tube.

Tool Joint Thread Inspection	MPI, Profile, Visual, Dimensional
Tube Inspection	EMI, Wall Verification, Visual, Dimensional
Tool joint makeup torque is 60% of tool joint torsional yield and is based on thread compound that conforms to API 7A1 and has a friction factor of 1.	



Weatherford

HEVI-WATE SPECIFICATIONS

Connection	2 7/8" SLH90
Interchangeable	
Weight/Foot	15.1
Weight/Joint	468

TOOL JOINT DATA

Outside Diameter	3 3/4
Inside Diameter	2 1/8
Maximum Pull TJ(@MUT+10%)	398,600#
ARecommended Make-up Torque	5,400 Ft-Lbs.
Max Make-up Torque	6,000 Ft-Lbs.
Torsional Yield	10,600 Ft-Lbs.
Bending Strength Ratio	1.83:1

TUBE DATA

Outside Diameter	3.1875"
Inside Diameter	2.125"
Drift Diameter	2.000"
Wall Thickness	0.531
Min. Yield Strength	110,000 PSI
OD Center Pad	3 5/8"
OD Tube Upset	N/A
Cross Sectional Area	4.433 Sq. In.
Section Modulus	2.551 Cu. In.
Maximum Pull 100%	487,700#
Suggested Max Pull	390,100#
Torsional Yield 100%	27,000 Ft-Lbs
Burst 100%	36,700 PSI
Collapse 100%	30,600 PSI
Tube Capacity	184.2 Gal/1000 ft
Tube Displacement	231.1 Gal/1000 ft



TUBING SPECIFICATIONS

Connection Type	2 7/8 WTS 6
Interchangeable With	Hydrii PH6
API Grade	P110
Nominal Weight per Foot	7.9 Lbs
WTS 6 - Weatherford Two Step, 6 Threads per Inch	

CONNECTION DATA

Outside Diameter	3.438 Inches
Inside Diameter	2.265 Inches
Upset Type	External Integral
Recommended Make-Up Torque	3,500 Ft Lbs

TUBE DATA

Outside Diameter	2.875 Inches
Inside Diameter	2.323 Inches
Drift Diameter	2.229 Inches
Wall Thickness	0.276 Inches
Cross Sectional Area	2.264 Sq In
Minimum Yield Strength	110,000 Psi
Minimum Ultimate Strength	125,000 Psi
Equivalent Length @ 100% MYS	31.400 Ft
Equivalent Length @ 80% MYS	25.100 Ft
Max. Pull @ 100% MYS	247,900 Lbs
Suggested Max. Pull @ 80% MYS	198,300 Lbs
Burst Resistance @ 100% MYS	21,100 Psi
Burst Resistance @ 80% MYS	16,900 Psi
Collapse Resistance @ 100% MYS	19,100 Psi
Collapse Resistance @ 80% MYS	15,200 Psi
Capacity of Tube	220.2 Gal/1000'
Displacement of Tube	117 Gal/1000'

MYS - Minimum Yield Strength

INSPECTION INFORMATION

Threads

MPI, Make-up, Stand-off, Profile,
Visual, Dimensional

Tube

EMI, Wall Verification,
Visual, Dimensional

MPI - Magnetic Particle
Inspection;
EMI - Electro Magnetic Inspection

THREAD COMPOUND INFORMATION

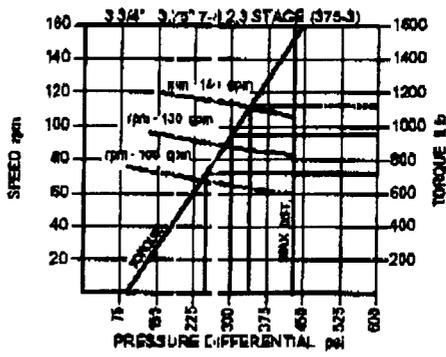
Make-up torque is based on using thread compound that conforms to API Bulletin 5A3 performance properties.

Weatherford in no way assumes responsibility or liability for any loss, damage or injury resulting from the use of the information listed above. All applications are for guidelines and the data described are at the user's own risk and are the user's responsibility.



For the Bull Section

Stator Configuration	3 3/4" 3.75" 7-8, 2.3 Stage	
Bearing Assembly	3 3/4"	95 mm
Volume	100-150 gpm	370-606 lpm
Speed	60-121 rpm	
Torque	1,125 ft-lb	1,525 n·m
Max. Pressure Drop	1,600 psi	10,342 kPa
Max. Diff. Pressure	425 psi	2,931 kPa
Bit to Bend Length	28"	965 mm
O/A Length	284"	
 Hole Size	4 3/4" - 5 7/8"	121-149 mm
Top Connection	2 3/8 Reg., 2 3/8 IF	
Bottom Connection	2 7/8 Reg.	
Bearing Load (compression)	dynamic=20,575 lb	9,180 daN
	static=67,500 lb	30,025 daN
Bearing Load (tension)	dynamic=20,575 lb	9,180 daN
	static=67,500 lb	30,025 daN
Max. Overpull (for returns)	67,500 lb	30,025 daN
Absolute Overpull	180,000 lb	66,720 daN



Volume (gpm)	Speed (rpm)	Torque (ft-lb)	hp
100	60-71	1,125	12.9
130	82-96	950	15.0
150	108-121	725	14.8



DOWNHOLE DRILLING MOTOR SPECIFICATIONS

Motor Outside Diameter (in.)	3 1/2			4 3/4			6 1/2			7 3/4		9 5/8 C	9 5/8
Motor Type	Standard	Standard	Standard	Performance	Standard	Performance	Performance	Standard	Performance	Standard	Performance	8 1/4 Stator w/ 9 5/8 Body	Standard
Lobe Configuration	7:8	7:8	6:6	4:6	8:9	7:8	4:5	7:8	4:5	7:8	5:6	7:8	5:6
Number of Stages	2.3	2.2	3	6	3	5	7	3	5.3	3	3	3	3
Length (ft.-in.)	18'-5"	18'-3"	18'-3"	24'-3"	20'-6"	26'-6"	27'-7"	21'-9"	31'-0"	22'-7"	28'-0"	28'-0"	28'-0"
Weight (lbs.)	360	800	800	1,050	1,630	2,400	2,480	2,310	3,210	3,000	4,480	3,000	4,480
Bit Range Size (in.)	3 7/8 to 5 7/8	6 to 7 7/8	6 to 7 7/8	6 to 7 7/8	7 7/8 to 9 7/8	7 7/8 to 9 7/8	7 7/8 to 9 7/8	9 7/8 to 11 1/2	9 7/8 to 17 1/2	12 1/4 to 26	12 1/4 to 36	12 1/4 to 36	12 1/4 to 36
Top Connection (API)	2 3/8 API Reg.	2 1/2 API Reg. 3 1/2 I.F.	3 1/2 API Reg. 2 1/2 I.F.	2 1/2 API Reg. 3 1/2 I.F.	4 1/2 API Reg. 4 1/2 X.H.	4 1/2 API Reg. 4 1/2 X.H.	4 1/2 API Reg. 4 1/2 X.H.	6 1/2 API Reg. 6 5/8 API Reg.	5 1/2 API Reg. 6 5/8 API Reg.	6 1/2 API Reg. 6 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.
Bottom Connection (API)	2 3/8 API Reg. 2 7/8 API Reg.	2 1/2 API Reg.	3 1/2 API Reg.	2 1/2 API Reg.	4 1/2 API Reg.	4 1/2 API Reg.	4 1/2 API Reg.	6 1/2 API Reg.	6 5/8 API Reg.	6 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.	6 5/8 API Reg. 7 5/8 API Reg.
Bit Housing Range (deg)	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°	0 to 3°
Flow Rate Range (gpm)*	80 to 160	100 to 250	100 to 250	100 to 250	200 to 500	300 to 600	300 to 600	300 to 600	300 to 600	300 to 600	300 to 600	300 to 600	600 to 1,200
Max. Flow Rate (gpm) w/ Rotor Nozzle	N/A	350	260	350 ¹	700	700	700	1,000	1,000	1,000	1,100	1,100	1,400
Bit Speed Range (rpm)	68 to 135	56 to 140	91 to 227	105 to 262	64 to 160	85 to 171	150 to 300	63 to 156	75 to 230	63 to 159	67 to 134	67 to 134	67 to 134
Speed/Flow Ratio (rpm/gpm)	0.85	0.68	0.81	1.06	0.32	0.28	0.5	0.21	0.28	0.21	0.11	0.11	0.11
Full Load Differential Pressure (psi)	375	360	450	850	490	620	1,000	450	750	450	450	450	450
Torque Output (ft.-lbs.)*	985	1,448	1,500	2,126	3,700	5,700	5,174	8,710	7,500	5,700	6,583	5,700	6,583
Horsepower (hp)	24.8	38.5	58	106	113	218	296	198	328	198	243	198	243
Max. Bit Pressure (psi)	1,500	1,800	1,500	1,600	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Max. Weight on Bit (lbs.)	7,000	26,000	28,000	25,000	50,000	50,000	50,000	66,000	65,000	100,000	100,000	100,000	100,000
Max. Mud Temperature (°F)	250	250	250	250	250	250	250	250	250	250	250	250	250
Max. Sand Content (%)	2	2	2	2	2	2	2	2	2	2	2	2	2

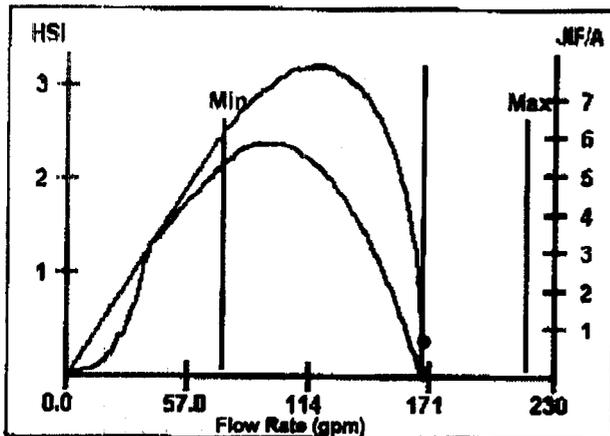
Operating above this level can shorten tool life. U.S. Patent No. 5,165,492

¹ Limited Availability

Reed-Hycalog

Schlumberger

Hydraulics Optimization Bit Run Report



Maximum Standpipe Pressure: 2000 psi

Well Information

Well Name:
5G-16
Drilling Contractor:

Operator:
Questar
Prepared For:
Kevin O'Connell
Location:
Uintah Basin
Prepared By:
Steve Schmitz/Weatherford

Bit Run Data

Bit Number..... 1
Bit Size..... 4 3/4 in
Bit Type.....

Recommended Hydraulics

Nozzles..... 32|32|32 32nds
Total Flow Area..... 2.358 in²

	IN	OUT
BIT HSI.....	.03	.02
JIF/Area.....	1.25	.88 lbs/in ²
Nozzle Velocity.....	25	21 ft/sec
Flow Rate.....	199	167 gpm
SPP.....	2000	1998 psi
% Pressure @ Bit.....	.3%	.2%
Measured Depth.....	5200	6600 ft
TVD.....	5200	5350 ft
Mud Weight.....	9	9 ppg
Plastic Viscosity.....	12	12 cp
Yield Point.....	24	24 lbs/100 ft ²

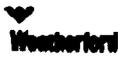
Hydraulic Details @ 6600 ft

Flow Rate / Hole Diameter.....	35.2 gpm/in
System Pressure Loss.....	1994 psi
Downhole Motor / MWD Pressure Drop.....	450 psi
Downhole Motor Flow Loss (6%).....	10.02 gpm
Bit Nozzle Pressure Drop.....	4 psi
Annular Pressure Drop.....	371 psi
Pump Input Hydraulic Power (M.E.=85%).....	195 hp
Bit Hydraulic Horsepower.....	hp
Jet Impact Force.....	16 lbs
Impact Force/ Hole Area.....	.88 lbs/in ²
Hydrostatic Head.....	2499 psi
Equivalent Circulating Density.....	10.34 ppg
Cuttings Slip Velocity (Chip Size = .30 in).....	56.04 ft/min
Surface Equipment Length.....	150 ft X 3.0 in
Buoyant Collar Weight.....	6013 lbs

Drill String And Annular Velocity Data @ 6600 ft

Depth ft	OD X ID in	Length ft	Hole Size in	Bore Loss psi	Ann. Loss psi	Ann. Vel. ft/min	Est. Chip Vel. ft/min	Crit Vel. ft/min	Flow Type
0-4600	DP 2.875 x 2.15	4600	4.950	895.8	247.0	25.1	195	365	LAM
4600-5150	HWDP 2.875 x 2.125	550	4.950	113.3	29.5	25.1	195	365	LAM
5150-5200	HWDP 2.875 x 2.125	50	4.750	10.3	3.3	285	229	370	LAM
5200-6600	DP 2.875 x 2.44	1400	4.750	148.2	91.5	285	229	370	LAM

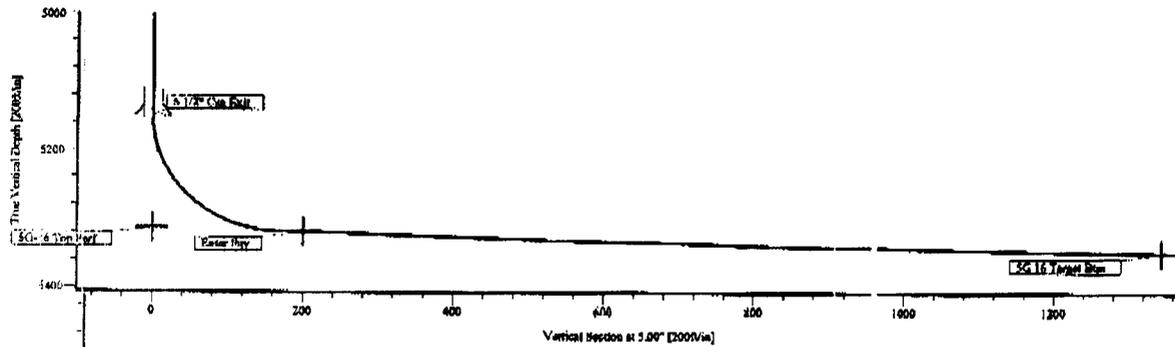
Questar- Uintah Basin



5G-16-8-21
 Sec 16 TRS R21E Uintah County, Utah
 SWNW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	Vloc	Target
1	0.0	0.00	3.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5150.0	0.00	5.00	5150.0	0.0	0.0	0.00	0.00	0.0	
3	5409.3	88.00	5.00	5318.7	162.3	14.2	33.94	5.00	162.9	Enter Pay
4	5446.4	88.00	5.00	5320.0	199.2	17.4	0.00	0.00	200.0	5G 16 Target Btm
5	6590.8	89.00	5.00	5350.0	1338.9	117.1	0.09	0.00	1344.0	

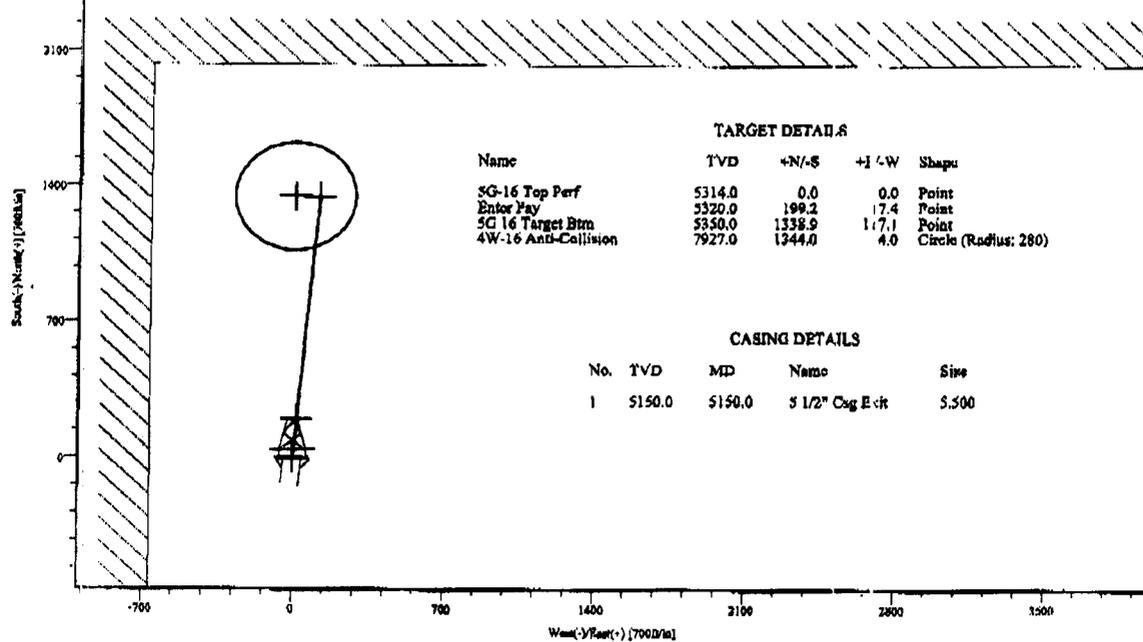


TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
5G-16 Top Perf	5314.0	0.0	0.0	Point
Enter Pay	5320.0	199.2	17.4	Point
5G 16 Target Btm	5350.0	1338.9	117.1	Point
4W-16 Anti-Collision	7927.0	1344.0	4.0	Circle (Radius: 280)

CASING DETAILS

No.	TVD	MD	Name	Size
1	5150.0	5150.0	5 1/2" Csg B-cit	5.500





Weatherford Directional Services Planning Report

Company: Questar- Uintah Basin Field: Uinta Basin Site: 5G-16-8-21 Well: 5G-16-8-21 Side-track Horizont Wellpath: N5E lateral	Date: 8/29/2003 Co-ordinate(NE) Reference: Site: 5G 16-8-21, True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Site (0.00N,0.00E,5.00Azi) Plan: North Lateral	Time: 09:52:58 Page: 1									
Field: Uinta Basin Utah											
Map System: US State Plane Coordinate System 1983 Geo Datum: GRS 1980 Sys Datum: Mean Sea Level		Map Zone: Utah, Northern Zone Coordinate System: Site Centre Geomagnetic Model: Igrf2000									
Site: 5G-16-8-21 Sec 16 T8S R21E Uintah County, Utah SWNW 2025' PNL & 665' FWL											
Site Position: From: Lease Line Position Uncertainty: Ground Level:	Northing: Eastng: 0.0 ft 0.0 ft	Latitude: Longitude: North Reference: True Grid Convergence: 0.00 deg									
Well: 5G-16-8-21 Side-track Horizont 5 1/2" Csg Exit into G1 Line											
Well Position: +N-S 0.0 ft +E-W 0.0 ft Position Uncertainty: 0.0 ft		Slot Name: Latitude: 31 14 7.419 N Longitude: 118 40 32.285 W									
Wellpath: N5E lateral											
Current Datum: SITE Magnetic Data: 8/29/2003 Field Strength: 0 nT Vertical Section: Depth From (TVD) ft	Height: 0.0 ft +N-S ft +E-W ft	Drilled From: Surface Tie-in Depth: 0.0 ft Above System Datum: Mean Sea Level Declination: 0.00 deg Mag Dip Angle: 0.00 deg +E/-W: ft Direction: deg									
0.0 0.0		0.0 5.00									
Plan: North Lateral Principal: Yes											
		Date Composed: 8/28/2003 Version: 1 Tied-to: From :Surface									
Plan Section Information											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target	
0.0	0.00	5.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00		
5150.0	0.00	5.00	5150.0	0.0	0.0	0.00	0.00	0.00	0.00		
5408.3	88.00	5.00	5318.7	162.3	14.2	33.94	33.94	0.00	5.00		
5448.4	88.00	5.00	5320.0	199.2	17.4	0.00	0.00	0.00	0.00	Enter Pay	
6590.8	89.00	5.00	5350.0	1338.9	117.1	0.09	0.09	0.00	0.00	5G 16 Target Btm	
Section 1 : Start Hold											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
0.0	0.00	5.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	5.00	
5150.0	0.00	5.00	5150.0	0.0	0.0	0.0	0.00	0.00	0.00	5.00	
Section 2 : Start Build 33.94											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
5160.0	3.39	5.00	5160.0	0.3	0.0	0.3	33.94	33.94	0.00	0.00	
5170.0	6.79	5.00	5170.0	1.2	0.1	1.2	33.94	33.94	0.00	0.00	
5180.0	10.18	5.00	5179.8	2.8	0.2	2.7	33.94	33.94	0.00	0.00	
5190.0	13.58	5.00	5189.6	4.7	0.4	4.7	33.94	33.94	0.00	0.00	
5200.0	16.97	5.00	5199.3	7.3	0.6	7.4	33.94	33.94	0.00	0.00	
5210.0	20.36	5.00	5208.7	10.5	0.9	10.6	33.94	33.94	0.00	0.00	
5220.0	23.76	5.00	5218.0	14.3	1.2	14.3	33.94	33.94	0.00	0.00	
5230.0	27.15	5.00	5227.0	18.5	1.6	18.6	33.94	33.94	0.00	0.00	
5240.0	30.55	5.00	5235.8	23.3	2.0	23.4	33.94	33.94	0.00	0.00	
5250.0	33.94	5.00	5244.3	28.7	2.5	28.8	33.94	33.94	0.00	0.00	
5260.0	37.34	5.00	5252.4	34.5	3.0	34.6	33.94	33.94	0.00	0.00	



Weatherford Directional Services Planning Report

Company: Questar- Uintah Basin Field: Uinta Basin Site: 5G-16-8-21 Well: 5G-16-8-21 Side-track Horizont Wellpath: NSE lateral				Date: 8/29/2003 Co-ordinates(NE) Reference: Site: 5G 16-8-21, True North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Site (0.00N,0.00E,5.00Azi) Plan: North Lateral				Time: 09:52:58 Page: 2			
Section 2 : Start Build 33.94											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
5270.0	40.73	5.00	5260.1	40.7	3.6	40.9	33.94	33.94	0.00	0.00	
5280.0	44.12	5.00	5267.5	47.5	4.2	47.8	33.94	33.94	0.00	0.00	
5290.0	47.52	5.00	5274.5	54.6	4.8	54.8	33.94	33.94	0.00	0.00	
5300.0	50.91	5.00	5281.0	62.1	5.4	62.4	33.94	33.94	0.00	0.00	
5310.0	54.31	5.00	5287.1	70.0	6.1	70.3	33.94	33.94	0.00	0.00	
5320.0	57.70	5.00	5292.7	78.3	6.9	78.6	33.94	33.94	0.00	0.00	
5330.0	61.09	5.00	5297.8	86.9	7.6	87.2	33.94	33.94	0.00	0.00	
5340.0	64.49	5.00	5302.3	95.7	8.4	96.1	33.94	33.94	0.00	0.00	
5350.0	67.88	5.00	5308.4	104.9	9.2	105.3	33.94	33.94	0.00	0.00	
5360.0	71.28	5.00	5309.9	114.2	10.0	114.6	33.94	33.94	0.00	0.00	
5370.0	74.67	5.00	5312.8	123.7	10.8	124.2	33.94	33.94	0.00	0.00	
5380.0	78.07	5.00	5315.2	133.4	11.7	133.9	33.94	33.94	0.00	0.00	
5390.0	81.46	5.00	5316.9	143.2	12.5	143.7	33.94	33.94	0.00	0.00	
5400.0	84.85	5.00	5318.1	153.1	13.4	153.7	33.94	33.94	0.00	0.00	
5409.3	88.00	5.00	5318.7	162.3	14.2	162.9	33.94	33.94	0.00	0.00	
Section 3 : Start Hold											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
5446.4	88.00	5.00	5320.0	199.2	17.4	200.0	0.00	0.00	0.00	180.00	
Section 4 : Start DLS 0.09 TFO 0.00											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
5500.0	88.05	5.00	5321.8	262.6	22.1	253.6	0.09	0.09	0.00	0.00	
5600.0	88.13	5.00	5325.2	352.2	30.8	353.8	0.09	0.09	0.00	0.00	
5700.0	88.22	5.00	5328.4	451.8	39.5	453.5	0.09	0.09	0.00	0.00	
5800.0	88.31	5.00	5331.4	551.3	48.2	553.4	0.09	0.09	0.00	0.00	
5900.0	88.39	5.00	5334.3	650.9	56.9	653.4	0.09	0.09	0.00	0.00	
6000.0	88.48	5.00	5337.0	750.5	65.7	753.4	0.09	0.09	0.00	0.00	
6100.0	88.57	5.00	5339.6	850.1	74.4	853.3	0.09	0.09	0.00	0.00	
6200.0	88.66	5.00	5342.0	949.7	83.1	953.3	0.09	0.09	0.00	0.00	
6300.0	88.74	5.00	5344.3	1049.3	91.8	1053.3	0.09	0.09	0.00	0.00	
6400.0	88.83	5.00	5346.4	1148.9	100.5	1153.3	0.09	0.09	0.00	0.00	
6500.0	88.92	5.00	5348.3	1248.5	109.2	1253.2	0.09	0.09	0.00	0.00	
6590.8	89.00	5.00	5350.0	1338.9	117.1	1344.0	0.09	0.09	0.00	0.00	
Survey											
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment	
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	MWD	
5150.0	0.00	5.00	5150.0	0.0	0.0	0.0	0.00	0.00	0.00	5 1/2" Csg Exit	
5160.0	3.39	5.00	5160.0	0.3	0.0	0.3	33.94	33.94	0.00	MWD	
5170.0	6.79	5.00	5170.0	1.2	0.1	1.2	33.94	33.94	0.00	MWD	
5180.0	10.18	5.00	5179.8	2.8	0.2	2.7	33.94	33.94	0.00	MWD	
5190.0	13.58	5.00	5189.6	4.7	0.4	4.7	33.94	33.94	0.00	MWD	
5200.0	16.97	5.00	5199.3	7.3	0.6	7.4	33.94	33.94	0.00	MWD	
5210.0	20.36	5.00	5208.7	10.5	0.9	10.6	33.94	33.94	0.00	MWD	
5220.0	23.76	5.00	5218.0	14.3	1.2	14.3	33.94	33.94	0.00	MWD	
5230.0	27.15	5.00	5227.0	18.5	1.6	18.6	33.94	33.94	0.00	MWD	
5240.0	30.55	5.00	5235.8	23.3	2.0	23.4	33.94	33.94	0.00	MWD	
5250.0	33.94	5.00	5244.3	28.7	2.5	28.8	33.94	33.94	0.00	MWD	
5260.0	37.34	5.00	5252.4	34.5	3.0	34.6	33.94	33.94	0.00	MWD	
5270.0	40.73	5.00	5260.1	40.7	3.6	40.9	33.94	33.94	0.00	MWD	
5280.0	44.12	5.00	5267.5	47.5	4.2	47.6	33.94	33.94	0.00	MWD	
5290.0	47.52	5.00	5274.5	54.6	4.8	54.8	33.94	33.94	0.00	MWD	
5300.0	50.91	5.00	5281.0	62.1	5.4	62.4	33.94	33.94	0.00	MWD	
5310.0	54.31	5.00	5287.1	70.0	6.1	70.3	33.94	33.94	0.00	MWD	



Weatherford Directional Services Planning Report

Company: Questar-Uintah Basin	Date: 8/29/2003	Time: 0:52:58	Page: 3
Field: Uinta Basin	Co-ordinate(NE) Reference: SRe: 5G-16-8-21, True North	Vertical (TVD) Reference: SITE 0.0	
Site: 5G-16-8-21	Section (VS) Reference: Plan:	Site (0.00N,0.00E,5.00Azi)	
Well: 5G-16-8-21 Side-track Horizont		North Lateral	
Wellpath: N5E lateral			

Survey											
MD ft	Incl deg	Azms deg	TVD ft	+N-S ft	+E-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment	
5320.0	67.70	5.00	5292.7	78.3	8.9	78.6	33.94	33.94	0.00	MWD	
5330.0	61.09	5.00	5297.8	86.9	7.6	87.2	33.94	33.94	0.00	MWD	
5340.0	64.49	5.00	5302.3	95.7	8.4	96.1	33.94	33.94	0.00	MWD	
5350.0	67.88	5.00	5308.4	104.9	9.2	105.3	33.94	33.94	0.00	MWD	
5360.0	71.28	5.00	5309.9	114.2	10.0	114.6	33.94	33.94	0.00	MWD	
5370.0	74.67	5.00	5312.8	123.7	10.8	124.2	33.94	33.94	0.00	MWD	
5380.0	78.07	5.00	5315.2	133.4	11.7	133.9	33.94	33.94	0.00	MWD	
5390.0	81.46	5.00	5318.9	143.2	12.6	143.7	33.94	33.94	0.00	MWD	
5400.0	84.85	5.00	5318.1	153.1	13.4	153.7	33.94	33.94	0.00	MWD	
5409.3	88.00	5.00	5318.7	162.3	14.2	162.9	33.94	33.94	0.00	MWD	
5446.4	88.00	5.00	5320.0	199.2	17.4	200.0	0.00	0.00	0.00	MWD	
5500.0	88.05	5.00	5321.8	252.8	22.1	253.6	0.09	0.09	0.00	MWD	
5600.0	88.13	5.00	5325.2	352.2	30.8	353.5	0.09	0.09	0.00	MWD	
5700.0	88.22	5.00	5328.4	451.8	39.5	453.5	0.09	0.09	0.00	MWD	
5800.0	88.31	5.00	5331.4	551.3	48.2	553.4	0.09	0.09	0.00	MWD	
5900.0	88.39	5.00	5334.3	650.9	56.9	653.4	0.09	0.09	0.00	MWD	
6000.0	88.48	5.00	5337.0	750.5	65.7	753.4	0.09	0.09	0.00	MWD	
6100.0	88.57	5.00	5339.6	850.1	74.4	853.3	0.09	0.09	0.00	MWD	
6200.0	88.66	5.00	5342.0	949.7	83.1	953.3	0.09	0.09	0.00	MWD	
6300.0	88.74	5.00	5344.3	1049.3	91.8	1053.3	0.09	0.09	0.00	MWD	
6400.0	88.83	5.00	5346.4	1148.9	100.5	1153.3	0.09	0.09	0.00	MWD	
6500.0	88.92	5.00	5348.3	1248.5	109.2	1253.2	0.09	0.09	0.00	MWD	
6590.8	89.00	5.00	5350.0	1338.9	117.1	1344.0	0.09	0.09	0.00	MWD	

Casing Points				
MD ft	TVD ft	Diameter in	Hole Size in	Name
5150.0	5150.0	5.500	0.000	5 1/2" Csg Exit



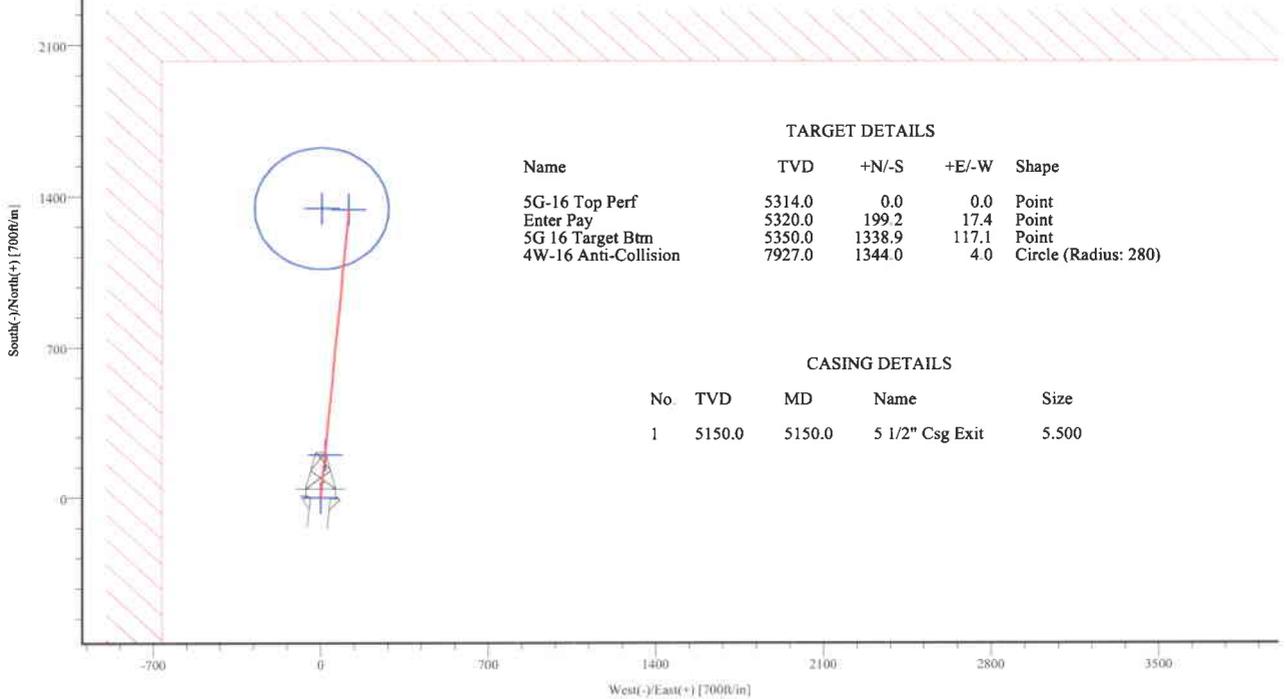
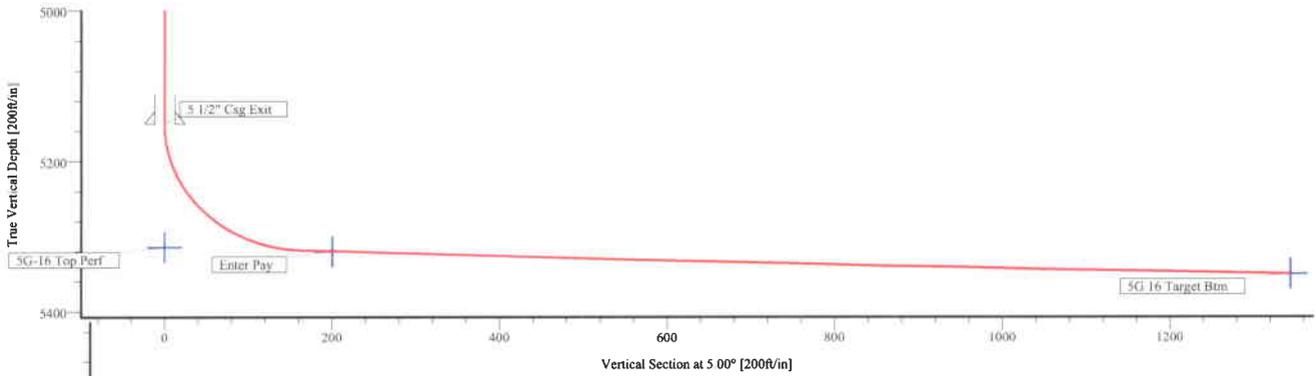
Questar- Uintah Basin



5G-16-8-21
 Sec 16 T8S R21E Uintah County, Utah
 SWNW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	5.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	5150.0	0.00	5.00	5150.0	0.0	0.0	0.00	0.00	0.0	
3	5409.3	88.00	5.00	5318.7	162.3	14.2	33.94	5.00	162.9	
4	5446.4	88.00	5.00	5320.0	199.2	17.4	0.00	0.00	200.0	Enter Pay
5	6590.8	89.00	5.00	5350.0	1338.9	117.1	0.09	0.00	1344.0	5G 16 Target Btm



TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
5G-16 Top Perf	5314.0	0.0	0.0	Point
Enter Pay	5320.0	199.2	17.4	Point
5G 16 Target Btm	5350.0	1338.9	117.1	Point
4W-16 Anti-Collision	7927.0	1344.0	4.0	Circle (Radius: 280)

CASING DETAILS

No.	TVD	MD	Name	Size
1	5150.0	5150.0	5 1/2" Csg Exit	5.500

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Weatherford Directional Services Planning Report

Company: Questar- Uintah Basin	Date: 8/29/2003	Time: 09:52:58	Page: 1
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,5.00Azi)		
Wellpath: N5E lateral	Plan: North Lateral		

Field: Uinta Basin
Utah

Map System: US State Plane Coordinate System 1983
Geo Datum: GRS 1980
Sys Datum: Mean Sea Level

Map Zone: Utah, Northern Zone
Coordinate System: Site Centre
Geomagnetic Model: igrf2000

Site: 5G-16-8-21
Sec 16 T8S R21E Uintah County, Utah
SWNW 2025' FNL & 665' FWL

Site Position:	Northing:	ft	Latitude:	
From: Lease Line	Easting:	ft	Longitude:	
Position Uncertainty:	0.0 ft		North Reference:	True
Ground Level:	0.0 ft		Grid Convergence:	0.00 deg

Well: 5G-16-8-21 Side-track Horizont
5 1/2" Csg Exit into G1 Lime

Slot Name:

Well Position:	+N/-S	0.0 ft	Northing:	0.00 ft	Latitude:	31 14 7.419 N
	+E/-W	0.0 ft	Easting :	0.00 ft	Longitude:	116 40 32.285 W
Position Uncertainty:		0.0 ft				

Wellpath: N5E lateral

Current Datum: SITE	Height	0.0 ft	Drilled From:	Surface
Magnetic Data: 8/29/2003			Tie-on Depth:	0.0 ft
Field Strength: 0 nT			Above System Datum:	Mean Sea Level
Vertical Section:	Depth From (TVD)	+N/-S	Declination:	0.00 deg
	ft	ft	Mag Dip Angle:	0.00 deg
			+E/-W	Direction
			ft	deg
	0.0	0.0	0.0	5.00

Plan: North Lateral

Date Composed: 8/29/2003
Version: 1
Tied-to: From Surface

Principal: Yes

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.0	0.00	5.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5150.0	0.00	5.00	5150.0	0.0	0.0	0.00	0.00	0.00	0.00	
5409.3	88.00	5.00	5318.7	162.3	14.2	33.94	33.94	0.00	5.00	
5446.4	88.00	5.00	5320.0	199.2	17.4	0.00	0.00	0.00	0.00	Enter Pay
6590.8	89.00	5.00	5350.0	1338.9	117.1	0.09	0.09	0.00	0.00	5G 16 Target Btm

Section 1 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
0.0	0.00	5.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	5.00
5150.0	0.00	5.00	5150.0	0.0	0.0	0.0	0.00	0.00	0.00	5.00

Section 2 : Start Build 33.94

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5160.0	3.39	5.00	5160.0	0.3	0.0	0.3	33.94	33.94	0.00	0.00
5170.0	6.79	5.00	5170.0	1.2	0.1	1.2	33.94	33.94	0.00	0.00
5180.0	10.18	5.00	5179.8	2.6	0.2	2.7	33.94	33.94	0.00	0.00
5190.0	13.58	5.00	5189.6	4.7	0.4	4.7	33.94	33.94	0.00	0.00
5200.0	16.97	5.00	5199.3	7.3	0.6	7.4	33.94	33.94	0.00	0.00
5210.0	20.36	5.00	5208.7	10.5	0.9	10.6	33.94	33.94	0.00	0.00
5220.0	23.76	5.00	5218.0	14.3	1.2	14.3	33.94	33.94	0.00	0.00
5230.0	27.15	5.00	5227.0	18.5	1.6	18.6	33.94	33.94	0.00	0.00
5240.0	30.55	5.00	5235.8	23.3	2.0	23.4	33.94	33.94	0.00	0.00
5250.0	33.94	5.00	5244.3	28.7	2.5	28.8	33.94	33.94	0.00	0.00
5260.0	37.34	5.00	5252.4	34.5	3.0	34.6	33.94	33.94	0.00	0.00



Weatherford Directional Services

Planning Report

Company: Questar- Uintah Basin	Date: 8/29/2003	Time: 09:52:58	Page: 2
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,5.00Azi)		
Wellpath: N5E lateral	Plan: North Lateral		

Section 2 : Start Build 33.94

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5270.0	40.73	5.00	5260.1	40.7	3.6	40.9	33.94	33.94	0.00	0.00
5280.0	44.12	5.00	5267.5	47.5	4.2	47.6	33.94	33.94	0.00	0.00
5290.0	47.52	5.00	5274.5	54.6	4.8	54.8	33.94	33.94	0.00	0.00
5300.0	50.91	5.00	5281.0	62.1	5.4	62.4	33.94	33.94	0.00	0.00
5310.0	54.31	5.00	5287.1	70.0	6.1	70.3	33.94	33.94	0.00	0.00
5320.0	57.70	5.00	5292.7	78.3	6.9	78.6	33.94	33.94	0.00	0.00
5330.0	61.09	5.00	5297.8	86.9	7.6	87.2	33.94	33.94	0.00	0.00
5340.0	64.49	5.00	5302.3	95.7	8.4	96.1	33.94	33.94	0.00	0.00
5350.0	67.88	5.00	5306.4	104.9	9.2	105.3	33.94	33.94	0.00	0.00
5360.0	71.28	5.00	5309.9	114.2	10.0	114.6	33.94	33.94	0.00	0.00
5370.0	74.67	5.00	5312.8	123.7	10.8	124.2	33.94	33.94	0.00	0.00
5380.0	78.07	5.00	5315.2	133.4	11.7	133.9	33.94	33.94	0.00	0.00
5390.0	81.46	5.00	5316.9	143.2	12.5	143.7	33.94	33.94	0.00	0.00
5400.0	84.85	5.00	5318.1	153.1	13.4	153.7	33.94	33.94	0.00	0.00
5409.3	88.00	5.00	5318.7	162.3	14.2	162.9	33.94	33.94	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5446.4	88.00	5.00	5320.0	199.2	17.4	200.0	0.00	0.00	0.00	180.00

Section 4 : Start DLS 0.09 TFO 0.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.0	88.05	5.00	5321.8	252.6	22.1	253.6	0.09	0.09	0.00	0.00
5600.0	88.13	5.00	5325.2	352.2	30.8	353.5	0.09	0.09	0.00	0.00
5700.0	88.22	5.00	5328.4	451.8	39.5	453.5	0.09	0.09	0.00	0.00
5800.0	88.31	5.00	5331.4	551.3	48.2	553.4	0.09	0.09	0.00	0.00
5900.0	88.39	5.00	5334.3	650.9	56.9	653.4	0.09	0.09	0.00	0.00
6000.0	88.48	5.00	5337.0	750.5	65.7	753.4	0.09	0.09	0.00	0.00
6100.0	88.57	5.00	5339.6	850.1	74.4	853.3	0.09	0.09	0.00	0.00
6200.0	88.66	5.00	5342.0	949.7	83.1	953.3	0.09	0.09	0.00	0.00
6300.0	88.74	5.00	5344.3	1049.3	91.8	1053.3	0.09	0.09	0.00	0.00
6400.0	88.83	5.00	5346.4	1148.9	100.5	1153.3	0.09	0.09	0.00	0.00
6500.0	88.92	5.00	5348.3	1248.5	109.2	1253.2	0.09	0.09	0.00	0.00
6590.8	89.00	5.00	5350.0	1338.9	117.1	1344.0	0.09	0.09	0.00	0.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	MWD
5150.0	0.00	5.00	5150.0	0.0	0.0	0.0	0.00	0.00	0.00	5 1/2" Csg Exit
5160.0	3.39	5.00	5160.0	0.3	0.0	0.3	33.94	33.94	0.00	MWD
5170.0	6.79	5.00	5170.0	1.2	0.1	1.2	33.94	33.94	0.00	MWD
5180.0	10.18	5.00	5179.8	2.6	0.2	2.7	33.94	33.94	0.00	MWD
5190.0	13.58	5.00	5189.6	4.7	0.4	4.7	33.94	33.94	0.00	MWD
5200.0	16.97	5.00	5199.3	7.3	0.6	7.4	33.94	33.94	0.00	MWD
5210.0	20.36	5.00	5208.7	10.5	0.9	10.6	33.94	33.94	0.00	MWD
5220.0	23.76	5.00	5218.0	14.3	1.2	14.3	33.94	33.94	0.00	MWD
5230.0	27.15	5.00	5227.0	18.5	1.6	18.6	33.94	33.94	0.00	MWD
5240.0	30.55	5.00	5235.8	23.3	2.0	23.4	33.94	33.94	0.00	MWD
5250.0	33.94	5.00	5244.3	28.7	2.5	28.8	33.94	33.94	0.00	MWD
5260.0	37.34	5.00	5252.4	34.5	3.0	34.6	33.94	33.94	0.00	MWD
5270.0	40.73	5.00	5260.1	40.7	3.6	40.9	33.94	33.94	0.00	MWD
5280.0	44.12	5.00	5267.5	47.5	4.2	47.6	33.94	33.94	0.00	MWD
5290.0	47.52	5.00	5274.5	54.6	4.8	54.8	33.94	33.94	0.00	MWD
5300.0	50.91	5.00	5281.0	62.1	5.4	62.4	33.94	33.94	0.00	MWD
5310.0	54.31	5.00	5287.1	70.0	6.1	70.3	33.94	33.94	0.00	MWD

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Weatherford Directional Services Planning Report

Company: Questar- Uintah Basin	Date: 8/29/2003	Time: 09:52:58	Page: 3
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,5.00Azi)		
Wellpath: N5E lateral	Plan: North Lateral		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5320.0	57.70	5.00	5292.7	78.3	6.9	78.6	33.94	33.94	0.00	MWD
5330.0	61.09	5.00	5297.8	86.9	7.6	87.2	33.94	33.94	0.00	MWD
5340.0	64.49	5.00	5302.3	95.7	8.4	96.1	33.94	33.94	0.00	MWD
5350.0	67.88	5.00	5306.4	104.9	9.2	105.3	33.94	33.94	0.00	MWD
5360.0	71.28	5.00	5309.9	114.2	10.0	114.6	33.94	33.94	0.00	MWD
5370.0	74.67	5.00	5312.8	123.7	10.8	124.2	33.94	33.94	0.00	MWD
5380.0	78.07	5.00	5315.2	133.4	11.7	133.9	33.94	33.94	0.00	MWD
5390.0	81.46	5.00	5316.9	143.2	12.5	143.7	33.94	33.94	0.00	MWD
5400.0	84.85	5.00	5318.1	153.1	13.4	153.7	33.94	33.94	0.00	MWD
5409.3	88.00	5.00	5318.7	162.3	14.2	162.9	33.94	33.94	0.00	MWD
5446.4	88.00	5.00	5320.0	199.2	17.4	200.0	0.00	0.00	0.00	MWD
5500.0	88.05	5.00	5321.8	252.6	22.1	253.6	0.09	0.09	0.00	MWD
5600.0	88.13	5.00	5325.2	352.2	30.8	353.5	0.09	0.09	0.00	MWD
5700.0	88.22	5.00	5328.4	451.8	39.5	453.5	0.09	0.09	0.00	MWD
5800.0	88.31	5.00	5331.4	551.3	48.2	553.4	0.09	0.09	0.00	MWD
5900.0	88.39	5.00	5334.3	650.9	56.9	653.4	0.09	0.09	0.00	MWD
6000.0	88.48	5.00	5337.0	750.5	65.7	753.4	0.09	0.09	0.00	MWD
6100.0	88.57	5.00	5339.6	850.1	74.4	853.3	0.09	0.09	0.00	MWD
6200.0	88.66	5.00	5342.0	949.7	83.1	953.3	0.09	0.09	0.00	MWD
6300.0	88.74	5.00	5344.3	1049.3	91.8	1053.3	0.09	0.09	0.00	MWD
6400.0	88.83	5.00	5346.4	1148.9	100.5	1153.3	0.09	0.09	0.00	MWD
6500.0	88.92	5.00	5348.3	1248.5	109.2	1253.2	0.09	0.09	0.00	MWD
6590.8	89.00	5.00	5350.0	1338.9	117.1	1344.0	0.09	0.09	0.00	MWD

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
5150.0	5150.0	5.500	0.000	5 1/2" Csg Exit

CONFIDENTIAL

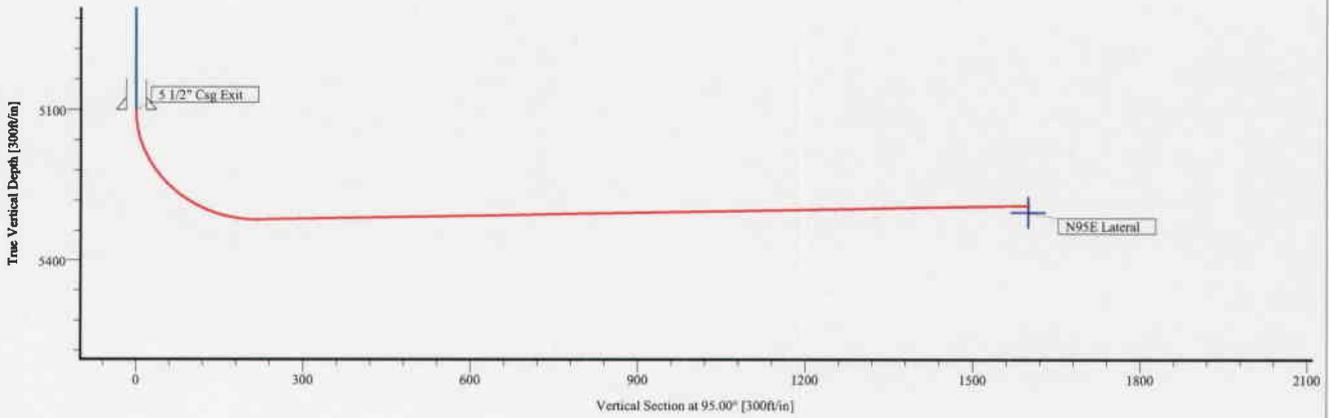


Questar- Uintah Basin

5G-16-8-21
 Sec 16 T8S R21E Uintah County, Utah
 SWNW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5100.0	0.00	5.00	5100.0	0.0	0.0	0.00	0.00	0.0	
2	5448.5	91.17	95.00	5319.0	-19.5	222.6	26.16	0.00	223.5	
3	6825.3	91.17	95.00	5291.0	-139.4	1593.9	0.00	0.00	1600.0	N95E Lateral

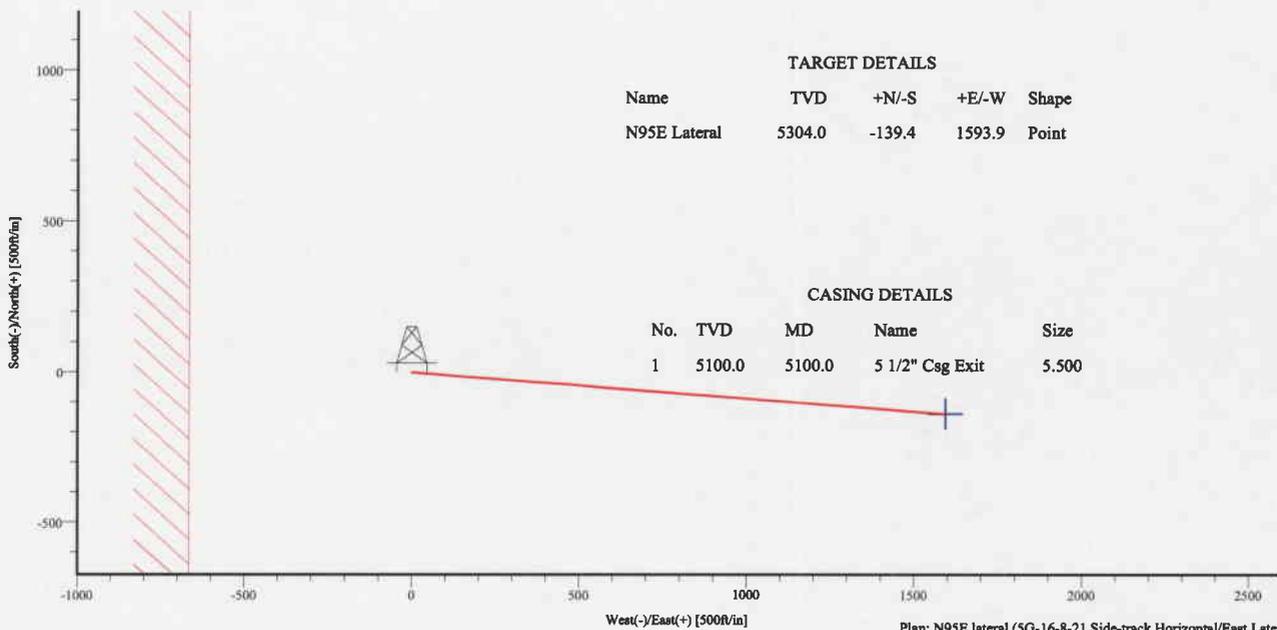


TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
N95E Lateral	5304.0	-139.4	1593.9	Point

CASING DETAILS

No.	TVD	MD	Name	Size
1	5100.0	5100.0	5 1/2" Csg Exit	5.500



Plan: N95E lateral (5G-16-8-21 Side-track Horizontal/East Lateral)

Created By: Steve Schmitz, P.E.

Date: 9/19/2003

Checked: _____

Date: _____

CONFIDENTIAL



Weatherford Directional Services

Planning Report

Company: Questar- Uintah Basin	Date: 10/2/2003	Time: 18:42:57	Page: 1
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,95.00Azi)		
Wellpath: East Lateral	Plan: N95E lateral		

Field: Uinta Basin Utah	Map System: US State Plane Coordinate System 1983
Map Zone: Utah, Northern Zone	Geo Datum: GRS 1980
Coordinate System: Site Centre	Sys Datum: Mean Sea Level
Geomagnetic Model: igrf2000	

Site: 5G-16-8-21
Sec 16 T8S R21E Uintah County, Utah
SWNW 2025' FNL & 665' FWL

Site Position:	Northing: m	Latitude:	
From: Lease Line	Easting: m	Longitude:	
Position Uncertainty: 0.0 ft		North Reference: True	
Ground Level: 0.0 ft		Grid Convergence: 0.00 deg	

Well: 5G-16-8-21 Side-track Horizont 5 1/2" Csg Exit into G1 Lime	Slot Name:
Well Position: +N/-S 0.0 ft Northing: 0.00 m	Latitude: 31 14 7.419 N
+E/-W 0.0 ft Easting : 0.00 m	Longitude: 116 40 32.285 W
Position Uncertainty: 0.0 ft	

Wellpath: East Lateral	Drilled From: N5E lateral
Current Datum: SITE	Tie-on Depth: 5100.0 ft
Magnetic Data: 9/19/2003	Above System Datum: Mean Sea Level
Field Strength: 0 nT	Declination: 0.00 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 0.00 deg
ft	+N/-S
	ft
0.0	0.0
	0.0
	95.00

Plan: N95E lateral	Date Composed: 9/19/2003
Principal: Yes	Version: 1
	Tied-to: From: Definitive Path

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
5100.0	0.00	5.00	5100.0	0.0	0.0	0.00	0.00	0.00	0.00	
5448.5	91.17	95.00	5319.0	-19.5	222.6	26.16	26.16	0.00	0.00	
6825.3	91.17	95.00	5291.0	-139.4	1593.9	0.00	0.00	0.00	0.00	

Section 1 : Start Build 26.16

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
5120.0	5.23	95.00	5120.0	-0.1	0.9	0.9	26.16	26.16	0.00	0.00
5140.0	10.46	95.00	5139.8	-0.3	3.6	3.6	26.16	26.16	0.00	0.00
5160.0	15.69	95.00	5159.3	-0.7	8.1	8.2	26.16	26.16	0.00	0.00
5180.0	20.93	95.00	5178.2	-1.3	14.4	14.4	26.16	26.16	0.00	0.00
5200.0	26.16	95.00	5196.6	-2.0	22.3	22.4	26.16	26.16	0.00	0.00
5220.0	31.39	95.00	5214.1	-2.8	31.9	32.1	26.16	26.16	0.00	0.00
5240.0	36.62	95.00	5230.7	-3.8	43.1	43.2	26.16	26.16	0.00	0.00
5260.0	41.85	95.00	5246.1	-4.9	55.7	55.9	26.16	26.16	0.00	0.00
5280.0	47.08	95.00	5260.4	-6.1	69.6	69.9	26.16	26.16	0.00	0.00
5300.0	52.31	95.00	5273.3	-7.4	84.8	85.1	26.16	26.16	0.00	0.00
5320.0	57.55	95.00	5284.8	-8.8	101.1	101.5	26.16	26.16	0.00	0.00
5340.0	62.78	95.00	5294.8	-10.4	118.4	118.8	26.16	26.16	0.00	0.00
5360.0	68.01	95.00	5303.1	-11.9	136.5	137.0	26.16	26.16	0.00	0.00
5380.0	73.24	95.00	5309.7	-13.6	155.3	155.9	26.16	26.16	0.00	0.00
5400.0	78.47	95.00	5314.6	-15.3	174.6	175.3	26.16	26.16	0.00	0.00
5420.0	83.70	95.00	5317.7	-17.0	194.3	195.0	26.16	26.16	0.00	0.00
5440.0	88.94	95.00	5319.0	-18.7	214.2	215.0	26.16	26.16	0.00	0.00
5448.5	91.17	95.00	5319.0	-19.5	222.6	223.5	26.16	26.16	0.00	0.00



Weatherford Directional Services

Planning Report

Company: Questar- Uintah Basin	Date: 10/2/2003	Time: 18:42:57	Page: 2
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,95.00Azi)		
Wellpath: East Lateral	Plan: N95E lateral		

Section 2 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5500.0	91.17	95.00	5318.0	-24.0	273.9	275.0	0.00	0.00	0.00	180.00
5600.0	91.17	95.00	5315.9	-32.7	373.5	374.9	0.00	0.00	0.00	180.00
5700.0	91.17	95.00	5313.9	-41.4	473.1	474.9	0.00	0.00	0.00	180.00
5800.0	91.17	95.00	5311.8	-50.1	572.7	574.9	0.00	0.00	0.00	180.00
5900.0	91.17	95.00	5309.8	-58.8	672.3	674.9	0.00	0.00	0.00	180.00
6000.0	91.17	95.00	5307.8	-67.5	771.9	774.9	0.00	0.00	0.00	180.00
6100.0	91.17	95.00	5305.7	-76.2	871.5	874.8	0.00	0.00	0.00	180.00
6200.0	91.17	95.00	5303.7	-85.0	971.1	974.8	0.00	0.00	0.00	180.00
6300.0	91.17	95.00	5301.7	-93.7	1070.7	1074.8	0.00	0.00	0.00	180.00
6400.0	91.17	95.00	5299.6	-102.4	1170.3	1174.8	0.00	0.00	0.00	180.00
6500.0	91.17	95.00	5297.6	-111.1	1269.9	1274.8	0.00	0.00	0.00	180.00
6600.0	91.17	95.00	5295.6	-119.8	1369.5	1374.7	0.00	0.00	0.00	180.00
6700.0	91.17	95.00	5293.5	-128.5	1469.1	1474.7	0.00	0.00	0.00	180.00
6800.0	91.17	95.00	5291.5	-137.2	1568.7	1574.7	0.00	0.00	0.00	180.00
6825.3	91.17	95.00	5291.0	-139.4	1593.9	1600.0	0.00	0.00	0.00	180.00

Survey

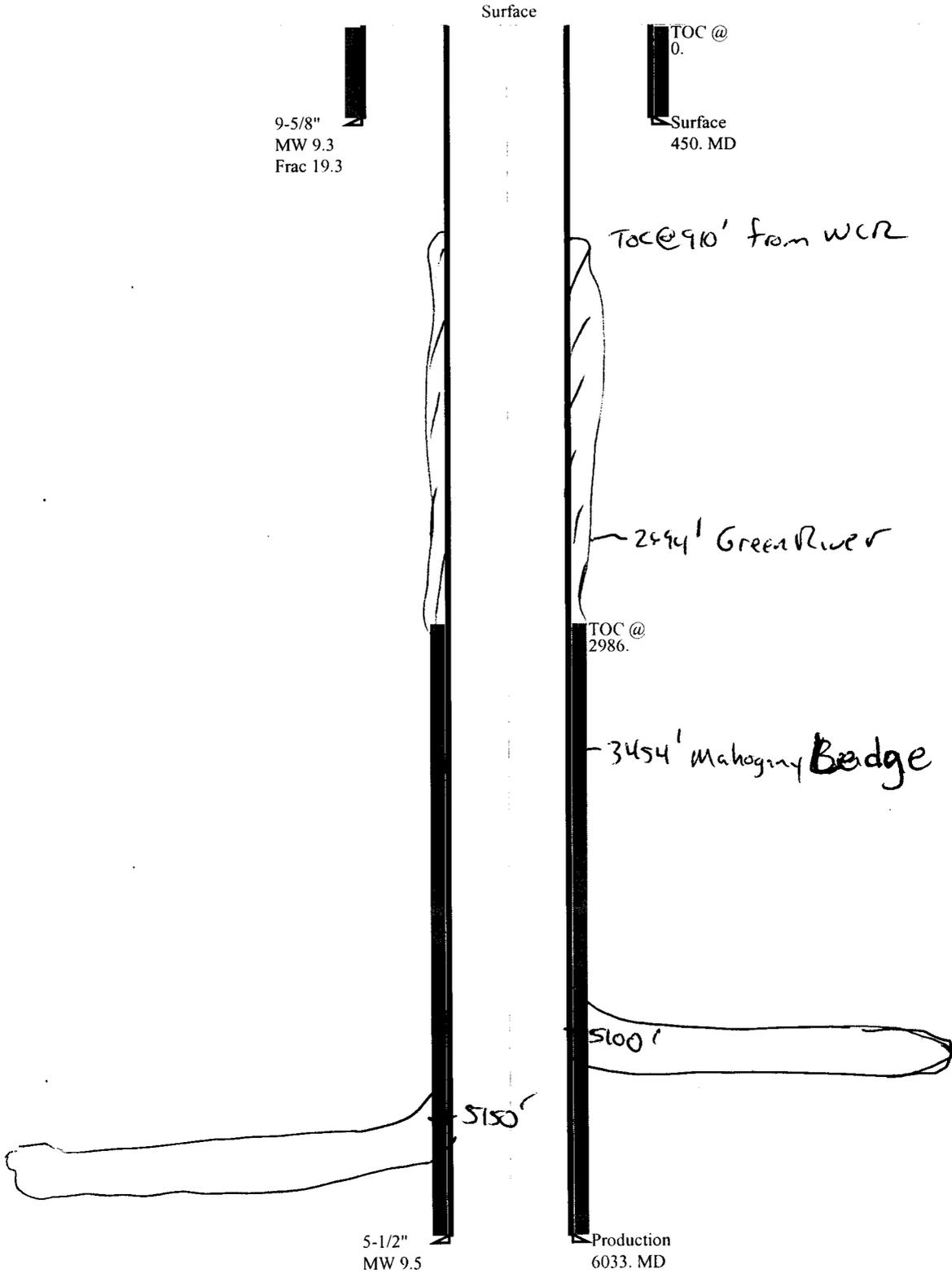
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
5100.0	0.00	5.00	5100.0	0.0	0.0	0.0	0.00	0.00	0.00	5 1/2" Csg Exit
5120.0	5.23	95.00	5120.0	-0.1	0.9	0.9	26.16	26.16	0.00	MWD
5140.0	10.46	95.00	5139.8	-0.3	3.6	3.6	26.16	26.16	0.00	MWD
5160.0	15.69	95.00	5159.3	-0.7	8.1	8.2	26.16	26.16	0.00	MWD
5180.0	20.93	95.00	5178.2	-1.3	14.4	14.4	26.16	26.16	0.00	MWD
5200.0	26.16	95.00	5196.6	-2.0	22.3	22.4	26.16	26.16	0.00	MWD
5220.0	31.39	95.00	5214.1	-2.8	31.9	32.1	26.16	26.16	0.00	MWD
5240.0	36.62	95.00	5230.7	-3.8	43.1	43.2	26.16	26.16	0.00	MWD
5260.0	41.85	95.00	5246.1	-4.9	55.7	55.9	26.16	26.16	0.00	MWD
5280.0	47.08	95.00	5260.4	-6.1	69.6	69.9	26.16	26.16	0.00	MWD
5300.0	52.31	95.00	5273.3	-7.4	84.8	85.1	26.16	26.16	0.00	MWD
5320.0	57.55	95.00	5284.8	-8.8	101.1	101.5	26.16	26.16	0.00	MWD
5340.0	62.78	95.00	5294.8	-10.4	118.4	118.8	26.16	26.16	0.00	MWD
5360.0	68.01	95.00	5303.1	-11.9	136.5	137.0	26.16	26.16	0.00	MWD
5380.0	73.24	95.00	5309.7	-13.6	155.3	155.9	26.16	26.16	0.00	MWD
5400.0	78.47	95.00	5314.6	-15.3	174.6	175.3	26.16	26.16	0.00	MWD
5420.0	83.70	95.00	5317.7	-17.0	194.3	195.0	26.16	26.16	0.00	MWD
5440.0	88.94	95.00	5319.0	-18.7	214.2	215.0	26.16	26.16	0.00	MWD
5448.5	91.17	95.00	5319.0	-19.5	222.6	223.5	26.16	26.16	0.00	MWD
5500.0	91.17	95.00	5318.0	-24.0	273.9	275.0	0.00	0.00	0.00	MWD
5600.0	91.17	95.00	5315.9	-32.7	373.5	374.9	0.00	0.00	0.00	MWD
5700.0	91.17	95.00	5313.9	-41.4	473.1	474.9	0.00	0.00	0.00	MWD
5800.0	91.17	95.00	5311.8	-50.1	572.7	574.9	0.00	0.00	0.00	MWD
5900.0	91.17	95.00	5309.8	-58.8	672.3	674.9	0.00	0.00	0.00	MWD
6000.0	91.17	95.00	5307.8	-67.5	771.9	774.9	0.00	0.00	0.00	MWD
6100.0	91.17	95.00	5305.7	-76.2	871.5	874.8	0.00	0.00	0.00	MWD
6200.0	91.17	95.00	5303.7	-85.0	971.1	974.8	0.00	0.00	0.00	MWD
6300.0	91.17	95.00	5301.7	-93.7	1070.7	1074.8	0.00	0.00	0.00	MWD
6400.0	91.17	95.00	5299.6	-102.4	1170.3	1174.8	0.00	0.00	0.00	MWD
6500.0	91.17	95.00	5297.6	-111.1	1269.9	1274.8	0.00	0.00	0.00	MWD
6600.0	91.17	95.00	5295.6	-119.8	1369.5	1374.7	0.00	0.00	0.00	MWD
6700.0	91.17	95.00	5293.5	-128.5	1469.1	1474.7	0.00	0.00	0.00	MWD
6800.0	91.17	95.00	5291.5	-137.2	1568.7	1574.7	0.00	0.00	0.00	MWD
6825.3	91.17	95.00	5291.0	-139.4	1593.9	1600.0	0.00	0.00	0.00	MWD

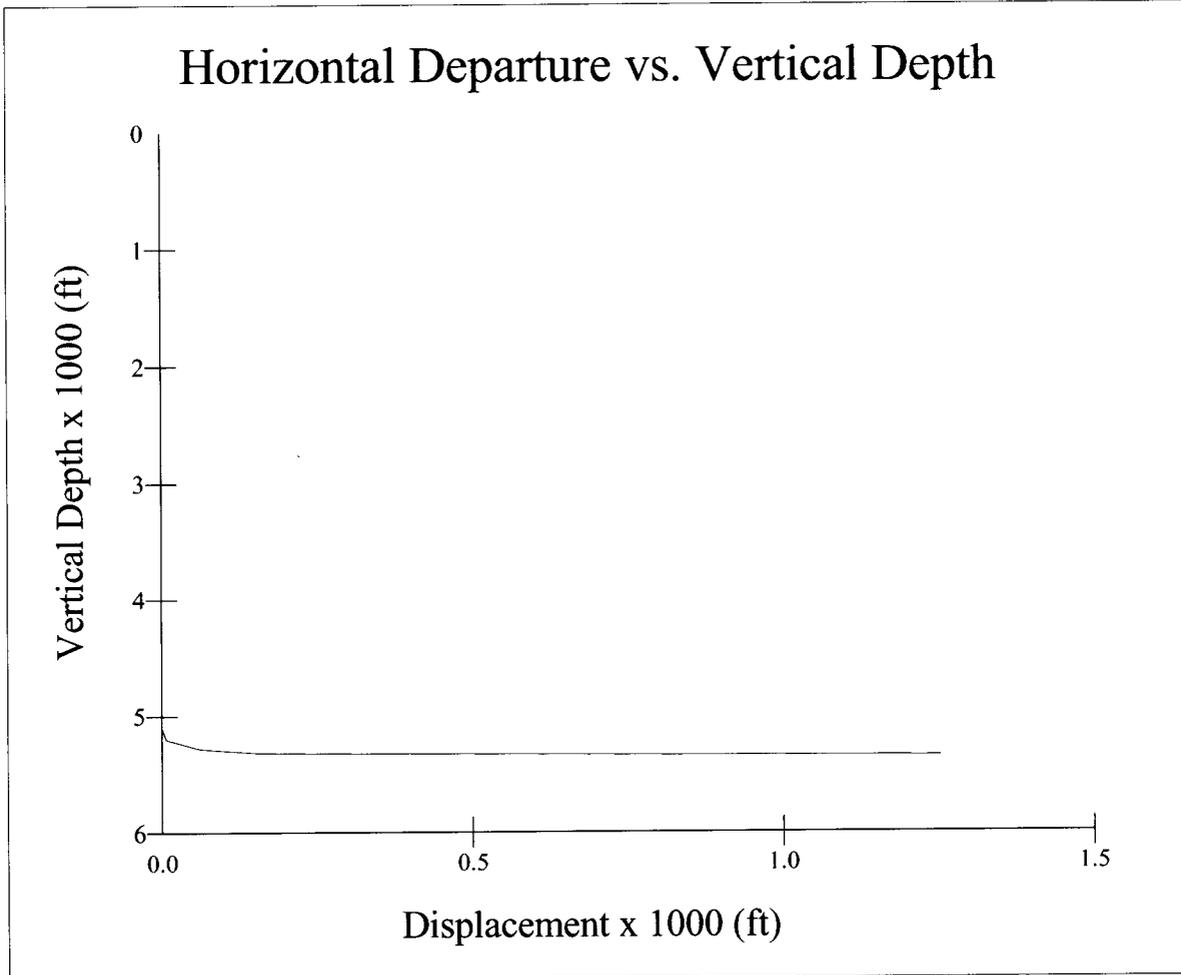


Company: Questar- Uintah Basin	Date: 10/2/2003	Time: 18:42:57	Page: 3
Field: Uinta Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,95.00Azi)		
Wellpath: East Lateral	Plan: N95E lateral		

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
5100.0	5100.0	5.500	5.500	5 1/2" Csg Exit





$$5350 \times (.052)(9.5) = 2642$$

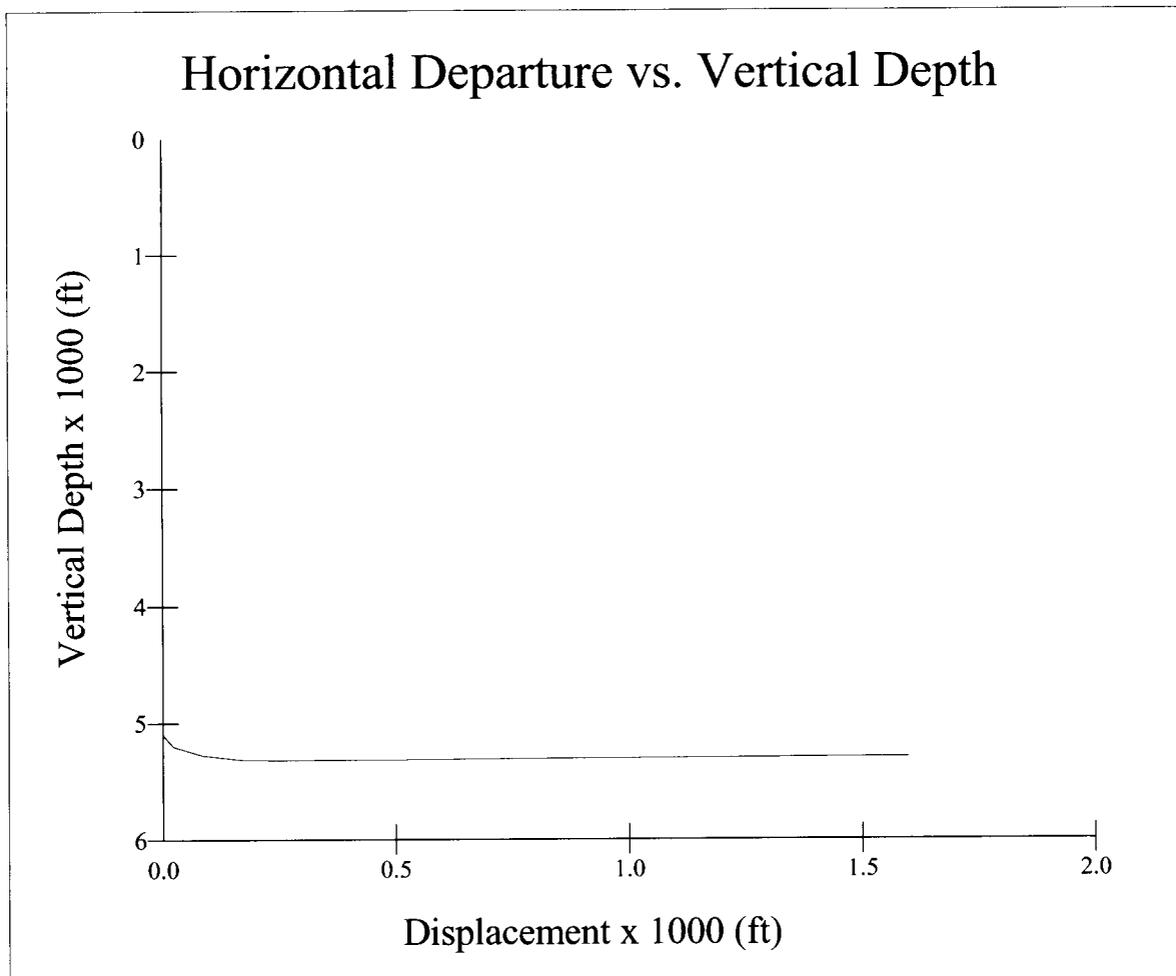
Anticipate 2116

BOPE = 3000 proposed

Adequate DRD 11/12/03

BHL ok
ZC @ 410'
openhole from 5150' to 5350' TVD
Enter Ay @ 5320' TVD

11-03 QEP Wonsits Valley 5G-16-8-21 N95E Lateral - Production



$$(5319)(.052)(9.15) = 2627$$

$$\text{Anticipate} = 2636$$

BOPE = 300 proposed

Adequate DKD 11/12/03

BHL O.K.
TOC @ 910'
Open hole from 5100' to 5319'



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
(801) 538-5340 telephone
(801) 359-3940 fax
(801) 538-7223 TTY
www.nr.utah.gov

Michael O. Leavitt
Governor
Robert L. Morgan
Executive Director
Lowell P. Braxton
Division Director

November 17, 2003

QEP Uinta Basin, Inc.
11002 E 17500 S
Vernal, UT 84078

Re: Wonsits Valley 5G-16-8-21 Well, 2025' FNL, 665' FWL, SW NW, Sec. 16, T. 8 South, R. 21 East, North Bottom Location 686' FNL, 782' FWL, NW NW, Sec. 16, T. 8 South, R. 21 East, East Bottom Location 2164' FNL, 2259' FWL, SE NW, Sec. 16, T. 8 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

Administrative approval for an exception location is hereby granted on the condition that if the well is productive from the horizontal wellbore, the operator agrees to come before the Board of Oil, Gas and Mining seeking appropriate spacing.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34107.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal District Office

Operator: QEP Uinta Basin, Inc.
Well Name & Number Wonsits Valley 5G-16-8-21
API Number: 43-047-34107
Lease: ML-2237

Location: SW NW **Sec. 16** **T. 8 South** **R. 21 East**
North Bottom Location: NW NW **Sec. 16** **T. 8 South** **R. 21 East**
East Bottom Location: SE NW **Sec. 16** **T. 8 South** **R. 21 East**

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

Page 2

Conditions of Approval API #43-047-34107

November 17, 2003

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Gas
 Well Well Other

2. Name of Operator
QEP UINTA BASIN, INC.

3. Address and Telephone No. **Contact: dahn.caldwell@questar.com**
11002 E. 17500 S. VERNAL, UT 84078-8526 **435.781.4342 Fax 435.781.4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SWNW
2025' FNL, 665' FWL, Sec 16, T8S, R21E

CONFIDENTIAL

5. Lease Designation and Serial No.
ML-2237

6. If Indian, Allottee or Tribe Name
Ute Tribe

7. If Unit or CA. Agreement Designation
Wonsits Valley Federal Unit

8. Well Name and No.
WV 5G 16-8-21

9. API Well No.
43-047-34107

10. Field and Pool, or Exploratory Area
Wonsits Valley Field

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>Spud 12-14-03</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

QEP Uinta Basin, Inc. has re-entered the existing WV 5G 16-8-21 to drill two laterals; one in the North and one in the East.

Footages for the North lateral: Bottom Hole – 686' FNL, 782' FWL, NWNW.
Footages for the East lateral: Bottom Hole – 2164' FNL, 2259' FWL, SENW.

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DEC 17 2003

DIV. OF OIL, GAS & MINING

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

I hereby certify that the foregoing is true and correct.
 Signed: [Signature] Title: Authorized Representative Date: 12/15/03

(This space for Federal or State office use)

Approved by: _____ Title: _____ Date: _____

Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

CONFIDENTIAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

015

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
ML-2237

6. If Indian, Allottee or Tribe Name
UTE TRIBE

7. If Unit or CA/Agreement, Name and/or No.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

8. Well Name and No.
WV 5G 16 8 21

9. API Well No.
43-047-34107

10. Field and Pool, or Exploratory
WONSITS VALLEY

11. County or Parish, and State
UINTAH COUNTY, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
QEP UINTA BASIN, INC. Contact: DAHN F CALDWELL
E-Mail: dahn.caldwell@questar.com

3a. Address
11002 E. 17500 S.
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435.781.4342
Fx: 435.828.8765

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 16 T8S R21E SWNW 2025FNL 665FWL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

WV 5G 16 8 21 was Recompleted between 1/6/04 - 1/12/04.

- 1 - MIRU to start completion of G-1 lateral. KOP @ 5157' - 5165'.
- 2 - RIH w/ production string. Have tbg tail at 5198'.
- 3 - Set anchor at 5202' w/ 15,000# tension. Left tbg in hanger also with anchor set.
- 4 - RIH w/ 2-1/2" x 1-3/4" x 21' RHAC top hold down pump; 130 - 3/4" T-66 rods; 75 - 7/8" reconditioned rods; 7/8" x 4' sub and 26' x 1-1/2" polish rod.
- 5 - Seat pump & long stroke to 500# in 2 strokes and tested OK.
- 6 - Tbg Detail: 1 jt tbg; SN; 2 jts tbg; type "T" anchor with 15,000# tension and 40,000# shear; 158 jts tbg to surface. All tbg is used 2-7/8" EUE 8rd J-55 6.5#. Tbg tail at 5207'; SN @ 5176' and anchor at 5108' KB depths.
- 7 - Turn well over to production department on 1/12/04.

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14. I hereby certify that the foregoing is true and correct.
**Electronic Submission #28890 verified by the BLM Well Information System
For QEP UINTA BASIN, INC., sent to the Vernal**

Name (Printed/Typed) JIM SIMONTON

Title COMPLETION SUPERVISOR

Signature

Jim Simonton (dfe)
(Electronic Submission)

Date 03/26/2004

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title _____

Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

016

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well Oil Well Gas Well Dry Other
 b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
 Other _____

2. Name of Operator QEP UINTA BASIN, INC. Contact: DAHN F CALDWELL
 E-Mail: dahn.caldwell@questar.com

3. Address 11002 E. 17500 S. VERNAL, UT 84078 3a. Phone No. (include area code)
 Ph: 435.781.4342

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface SWNW 2025FNL 665FWL
 At top prod interval reported below SWNW 686FNL 782FWL **FA SURVEY SWSW**
 At total depth SWNW 2164FNL 2259FWL **239 FSL 831 FUL, S-9 T 85 R2E**

14. Date Spudded 07/15/2001 15. Date T.D. Reached 08/29/2001 16. Date Completed
 D & A Ready to Prod. 12/24/2003

18. Total Depth: MD ~~6090~~ 1619 TVD 5325 19. Plug Back T.D.: MD ~~6070~~ TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
 CBL-VDL, SPECTRAL DENSITY, HIRES INDUCTION
 22. Was well cored? No Yes (Submit analysis)
 Was DST run? No Yes (Submit analysis)
 Directional Survey? No Yes (Submit analysis)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (# ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 K55	36.0		450		175		0	
7.875	5.500 J55	15.5		6090		850		910	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375		5207		5302				

25. Producing Intervals 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	5313	5321	5313 TO 5321			
B) G-1	5157	5165	5157 TO 5165			
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5313 TO 5321	ACID FRAC W/ 20.000 W/ 20.000 GALS 15% SGA HCL ACID

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28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/29/2001	08/31/2001	24	→	40.0	44.0	26.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	80	80.0	→					PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/29/2001	01/12/2004	24	→	379.0	50.0	106.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	135	145.0	→					PGW	

(See Instructions and spaces for additional data on reverse side)
 ELECTRONIC SUBMISSION #29209 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

EXPIRED
1-24-05

CONFIDENTIAL

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(Sold, used for fuel, vented, etc.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER MAHOGANY E5 F1	2694 3454 5151 5197

32. Additional remarks (include plugging procedure):

CONFIDENTIAL. DO NOT RELEASE WELL INFORMATION WITHOUT PERMISSION FROM QEP, UINTA BASIN, INC.

WV5G 16-8-21 was Recompleted between 1/6/04 - 1/12/04.

- 1 - MIRU start completion of G-1 Lateral. KOP @ 5157' - 5165'.
- 2 - RIH w/ production string. Have tbg tail at 5198'.

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #29209 Verified by the BLM Well Information System.
For QEP UINTA BASIN, INC., seat to the Vernal

Name (please print) JIM SIMONTON Title COMPLETION SUPERVISOR

Signature _____ (Electronic Submission) Date 04/12/2004

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Additional data for transaction #29209 that would not fit on the form

32. Additional remarks, continued

- 3 - Set anchor at 5202' w/ 15,000# tension. Left tbg in hanger also with anchor set.
- 4 - RIH w/ 2-1/2" X 1-3/4" X 20x20-1/2x21 RHAC Weatherford #1511 - top hold down pump; 130 - T-66 rods; 75 - 7/8" reconditioned rods; 7/8" x 4' sub and 26' x 1-1/2" polish rod.
- 5 - Seat pump & long stroke to 500# in 2 strokes and tested OK.
- 6 - Tbg Detail: 1 jt tbg; SN; 2 jts tbg; Type "T" anchor w/ 15,000# tension and 40,000# shear; 158 jts tbg to surface. All tbg is used 2-7/8" EUE 8rd J-55 6.5#. Tbg tail at 5207'; SN @ 5176' and anchor at 5108' KB depths.
- 7 - Turn well over to production department on 1/12/04.

FIELD: Wonsits Valley

4737' KBE: 4744'

Spud Date: 7-24-01 Date last worked on 1-12-04

Well: WV # 5G-16-8-21

TD: 6090' PBTD: 6070'

Current Well Status: Flowing Oil Well

Location: SW 1/4 NW 1/4 S16-T8S-R21E Uintah County, Utah

API# 43-047-34107

Completion of G-1 Lateral

Wellbore Schematic

Surface casing

Size 9 5/8" Weight 36# Grade K-55 Cmtd w/ 175 sxs

Set @ 450'

Hole size 12 1/4"

TOC @ 910'

EXCLUDED PERFS

OPEN PERFS

TAC Set @ 5202' 15,000# Tension

KOP @ 5157' - 5165'

EOT @ 5207'

Cardium packer 5,302'

5313'-5321' G1 Lime

Orig PBTD @ 6070' TD @ 6090'

Production casing

Size 5 1/2", 15 1/2# J-55 Cmtd w/ 850 sxs Set @ 6090'

Hole size 7 7/8"

Size Footage Depth

KB	15.00	15.00
2-7/8" Tbg Hanger	0.74	15.74
Stretch	1.00	16.74
158 Jts 2-7/8" Tbg 6.5#	5,091.24	5,107.98
5-1/2" TAC w/ 15,000# Tension	2.79	5,110.77
2 Jts 2-7/8" Tbg 6.5#	65.20	5,175.97
2-7/8" S-Nipple	1.10	5,177.07
1 Jt 2-7/8" Tbg 6.5# 8 rd	29.63	5,206.70
EOT		5,206.70

X Used: 6.5# 8rd EUE J-55 Rerun:

Size	Rods	Depth
26' x 1-1/2" Polish Rod		26
1 - 4' x 7/8" Pony Rod		4
75 - 7/8" Reconditioned Rods		1875
130 - 3/4" Rods T-66		3250

Pump Type #1511/ 2-1/2" x 1-3/4" x 20x20-1/2x21 RHAC Weatherford #1511

USED RERUN

Example:

Original Run Date: New Run: Rebuild:

Flowing Well

"R" NIPPLE

PKR @

EOT @

Donut: BonnetX

Initial Completion 08/20/2001 - 08/29/2001

RIH and drillout to PBTD @ 6075'. Perf G1 Lime 5313'-5321'. BD and swab w/ FER = 0.5 BPH @ 75% oil. Acid frac w/ 20,000 gals 15% SGA at ATR = 5.2 BPM, ATP = 2194 psig, ISIP = 1829 psig. ONSITP = 1750 psig. Open well and FB all next day. Swab load water with final FER = 28 BPH @ 80% oilcut. POOH w/ tools and RIH w/ production tubing. TWOTP.

Date of First Production = 08/29/2001

IPP = 40 BOPD, 44 McFPD, 26 BWPD on 08/31/2001

Recompleted between 1/6/04 - 1/12/04

Did completion of the G-1 Lateral

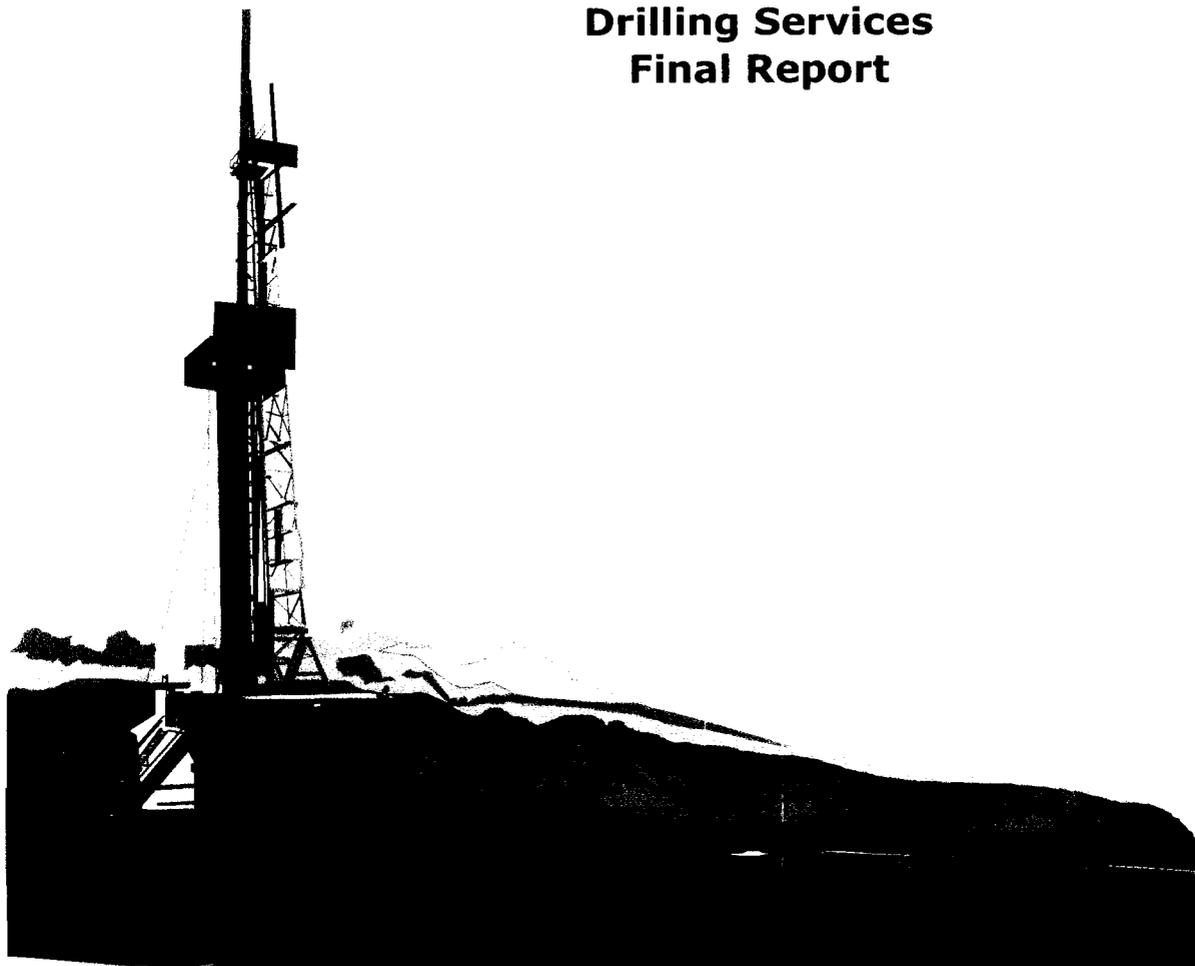
KOP @ 5157' - 5165'

EOT @ 5207'

TAC set @ 5202' w/ 15,000# Rension

**Questar
WV 5G-16**

**Weatherford Directional
Drilling Services
Final Report**



410 17th Street
Suite 250
Denver, CO 80202
(303) 825-6558 Tele
(303) 825-2927 Fax



January 6, 2004

Mr. Kevin O'Connel
Drilling Manager
Questar Exploration & Production
Denver, Colorado

Ref: **Directional Drilling Services Final Report
5G-16-8-21**

Kevin:

Thank you for the opportunity to provide Directional Drilling and our Selective Re-Entry casing exit system on your re-entry project in the Uintah County, Utah.

Attached for your review and wellfiles is directional drilling final report. We are looking forward to participating in future projects and hope that the production rates on this well support the economics for a field development program.

Sincerely,

Steve Schmitz P.E.
Technical Sales Rep.
Cell Phone: 303.882.1293
Steve.Schmitz@Weatherford.com

Bruce Coates
Operations Manager- Casper
307.235.1413
Bruce.Coates@Weatherford.com

Shad Jackson
Operations Manager- Vernal, Utah
Office: 435.789.0445
Cell: 435.671.2960
Kenneth.Jackson@Weatherford.com

Larren Holdren
Directional Coordinator- Casper
307.235.1413
Larren.Holdren@Weatherford.com

George Stewart
Technical Advisor
Office: 307-473-1250
Cellular: 307-262-3847
George.Stewart@Weatherford.com

Larry E. Williams
Operations Manager- Midland
915.561.8892
Larry.E.Williams@Weatherford.com

Table of Contents

- I. Plotted MWD Surveys**
- II. Daily Directional Reports**
- III. BHA's**
- IV. Slide Sheets**
- V. Field Service Tickets**
- V. Motor Run Reports**

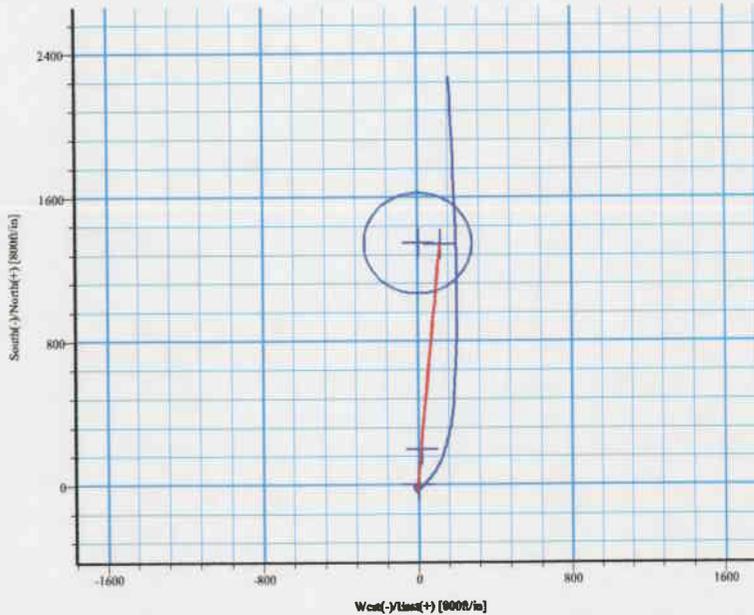
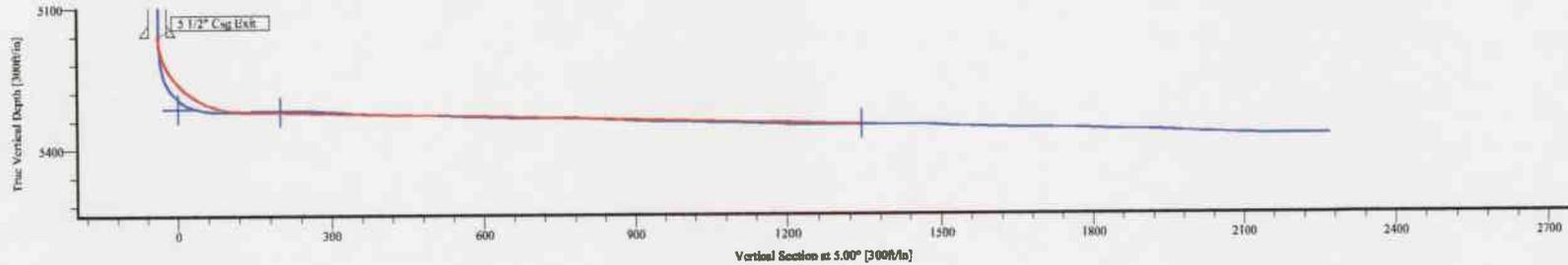


Questar- Uintah Basin

5G-16-8-21
Sec 16 T8S R21E Uintah County, Utah
SWNW 2025' FNL & 665' FWL

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5161.0	1.55	5.18	5159.0	-38.7	-7.6	0.00	0.00	-39.2	
2	5412.4	88.59	5.18	5320.0	122.0	6.9	34.62	0.00	122.1	
3	6634.7	88.59	5.18	5350.0	1338.9	117.1	0.00	0.00	1344.0	5G 16 Target Btm



CASING DETAILS

No.	TVD	MD	Name	Size
1	5159.0	5160.0	5 1/2" Csg Exit	5.500

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
5G-16 Top Perf	5314.0	0.0	0.0	Point
Enter Pay	5320.0	199.2	17.4	Point
5G 16 Target Btm	5350.0	1338.9	117.1	Point
4W-16 Anti-Collision	7927.0	1344.0	4.0	Circle (Radius: 280)

Plan: North Lateral from Gyro (5G-16-8-21 Side-track Horizontal/NSE lateral)

Created By: Steve Schmitz, P.E.

Date: 1/6/2004

Checked: _____

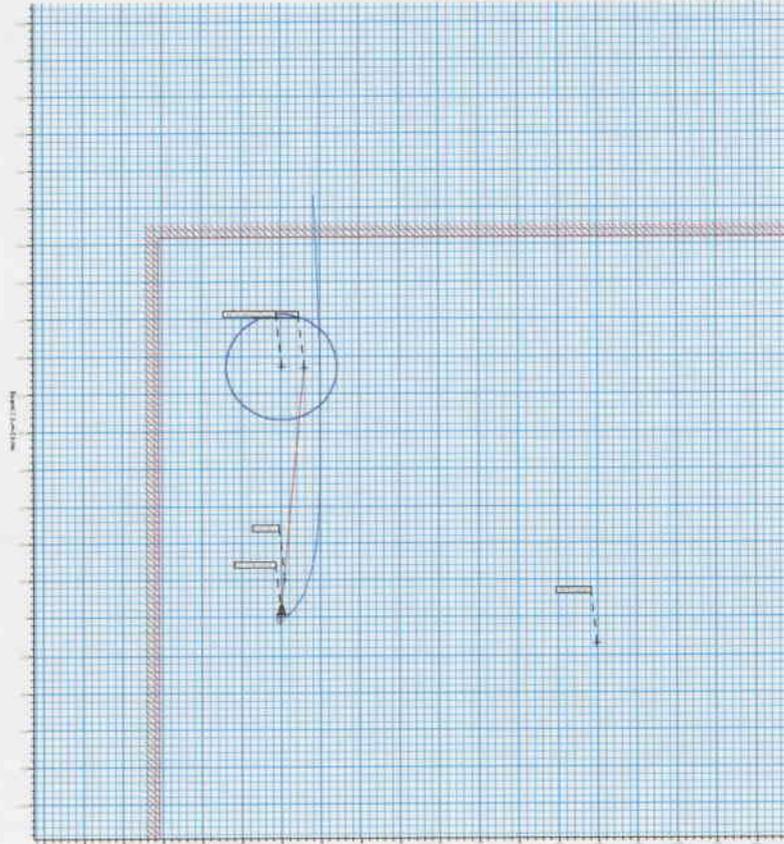
Date: _____

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WELL DETAILS

Name	+N-S	+E-W	Heading	Depth	Latitude	Longitude	Stat
SC-16-S-21 Side-track Horizontal	0.0	0.0	0.00	0.00	31°49'07.419N	110°48'52.285W	WA



Vertical Scale

CASING DETAILS

No.	TVD	MD	Name	Size
1	5159.0	5160.0	5 1/2" Csg 13bit	5.000

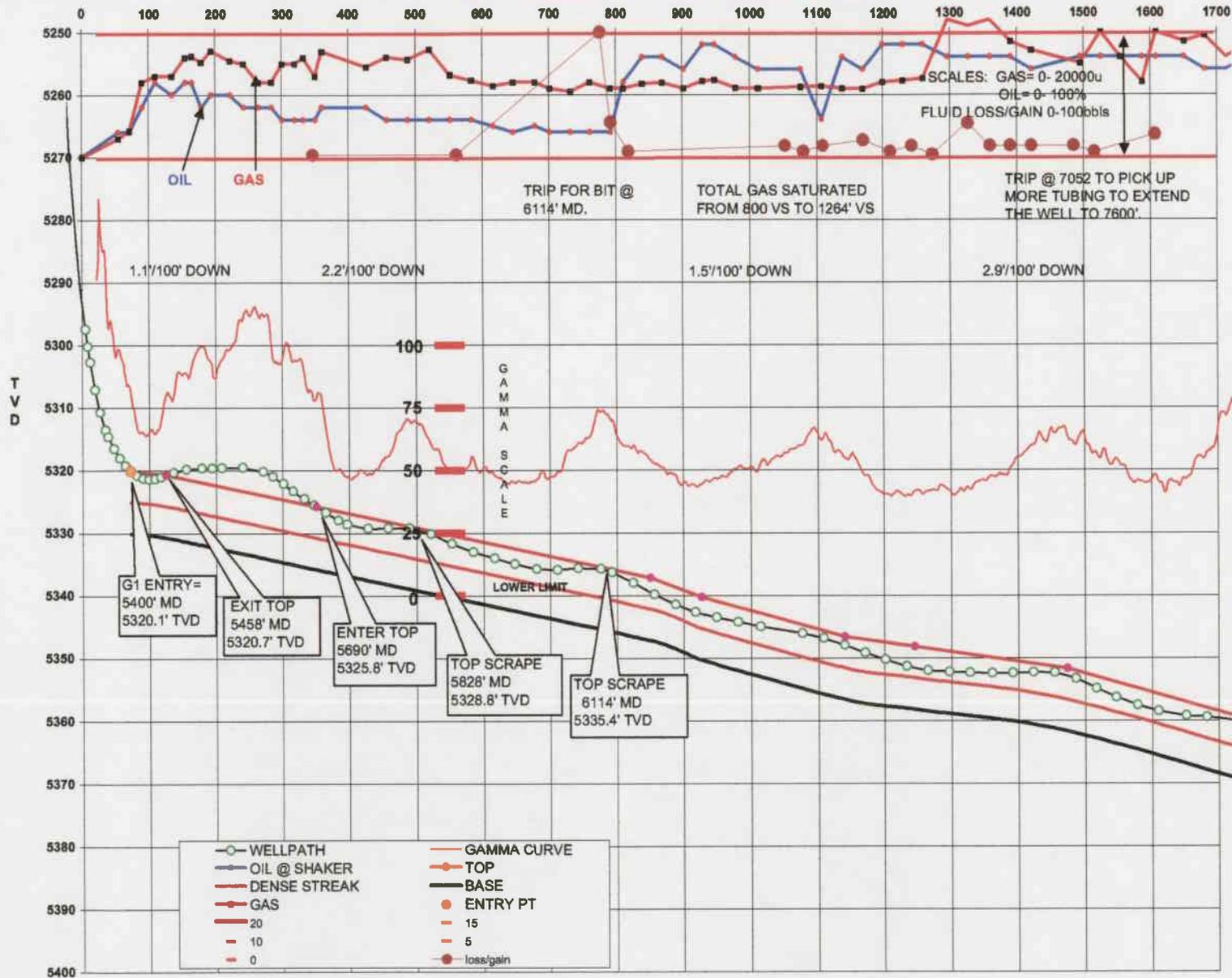
TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
SG-16 Top Perf	5314.0	0.0	0.0	Point
Enter Perf	5320.0	199.2	17.4	Point
SC 16 Target Btm	5390.0	1388.9	117.1	Point
AW-16 Ann Collar	7927.0	1344.0	4.0	Circle (Radius: 200)

VERTICAL SECTION

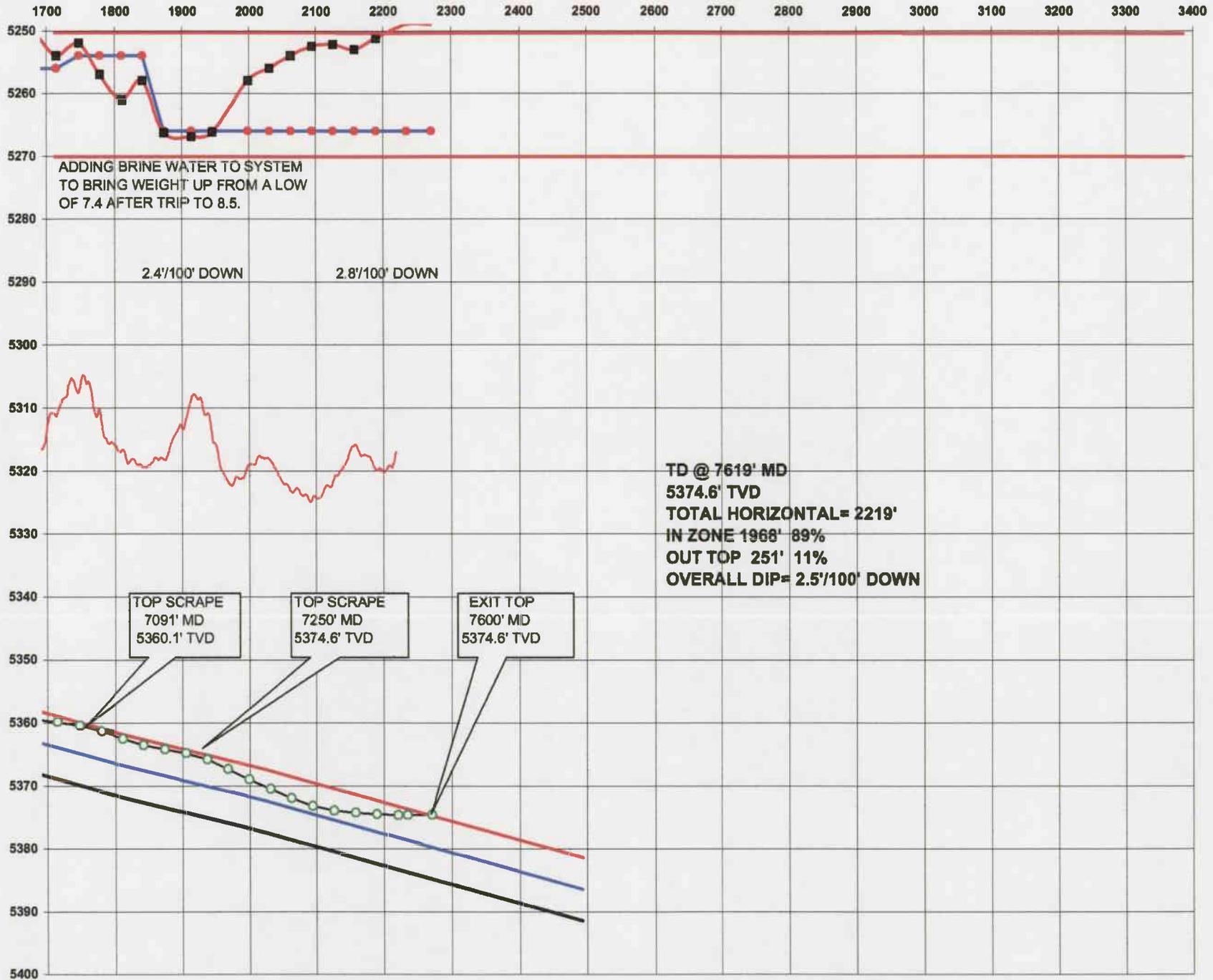
WONSITS VALLEY # 5G-16-B-21 H, UINTAH CO., UTAH

WELLPATH CHART



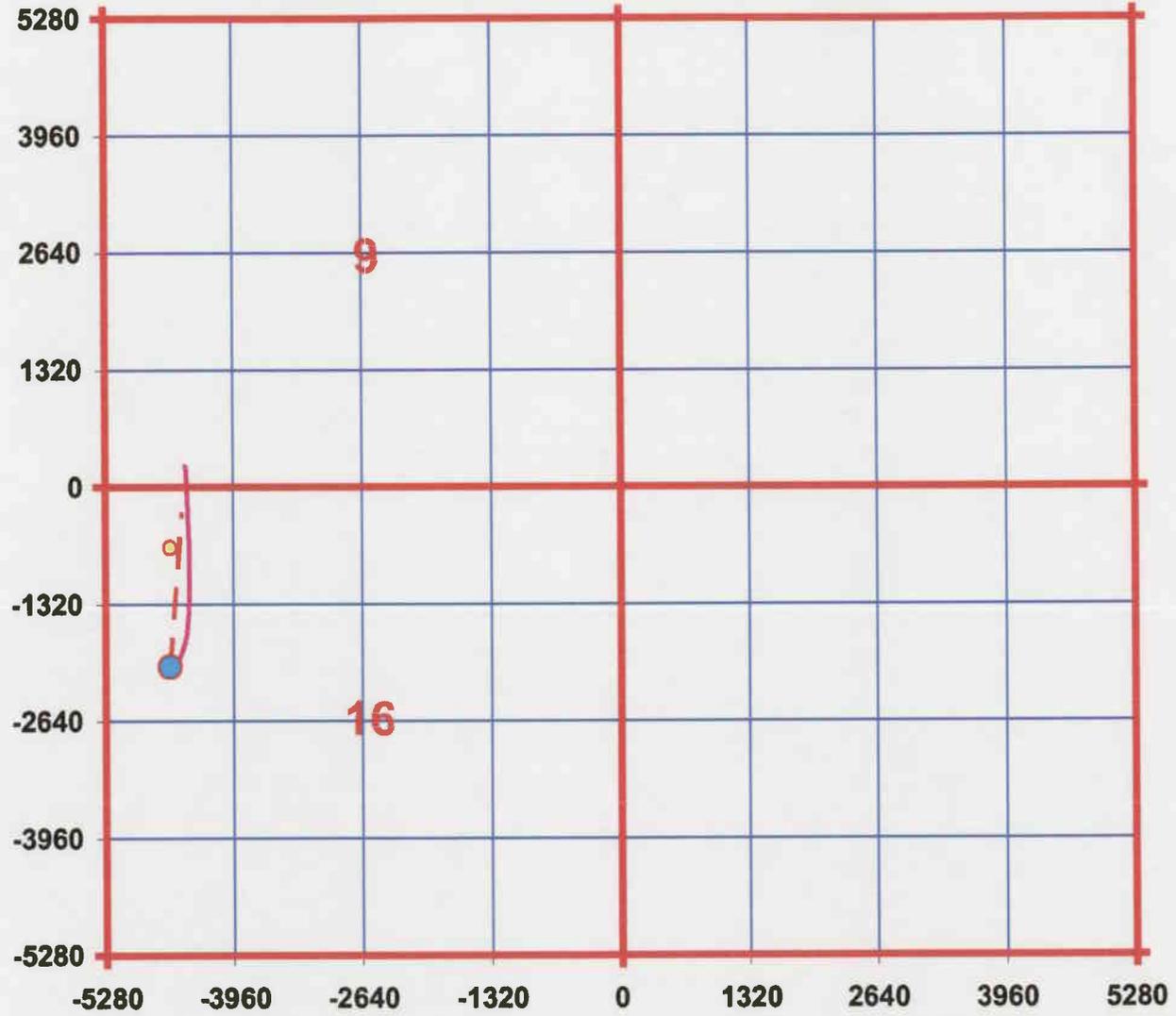
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WONSITS VALLEY # 5G-16-8-21 H, UINTAH CO., UTAH



CONFIDENTIAL

QUESTAR EXPLORATION & PROD
S. 16 - T. 8S - 21E
UINTAH CO., UTAH



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**QUESTAR EXPLORATION & PROD.
TOOKE ROCKIES, INC.
MORNING REPORT**

CONFIDENTIAL

CONTACTS: FAX # 303-295-0222
BOB BASSE OFF: 303-308-3604
HOME: 303-733-7307
STEVE STRAUCH RIG: 307-262-7275
CELL: 303-594-6101

DATE: 12/31/2003 DAY #: 16

WELL: 5G-16-8-21 H MILLED CASING: 12/16/2003 ENTRY PT 5400' md / 5320.1' tvd

LOC: SW/NW SEC: 16 TOWNSHIP: 8S RANGE: 21E COUNTY: UINTAH STATE: UT

TARGET FM: GREEN RIVER G1 PROPOSED TD: _____ GOAL: _____ ft KB: 4744 ft

CURRENT ACTIVITY: _____ T.D.'ed _____ GL: 4734 ft

6:00 DEPTH: 7619' 24HR FT: 13' FM: GREEN RIVER G1 PROG TO BIT: _____

DAILY HORIZ: 13' IN ZONE 13' OUT TOP 0' OUT BASE 0'

TOTAL HORIZ. 2219' IN ZONE 1968' TOTAL OUT TOP 251' TOTAL OUT BASE 0'
PERCENTAGES 89% 11% 0%

GAS INFO
BGG TOTAL: 21544u C1 2729u C2 780u C3 526u C4 303u MAX GAS 27808u

CONN / DTG GAS: 6000-9000 TRIP GAS: _____ MW: 8.9 VIS 35

FORMATION INFO:

TOPS - SCRAPES - IN & OUT	MD	TVD	SUBSEA	ANGLE	VS	DIP RATE
G1 ENTRY	5400'	5320.1'	-576.1'	85.7	71.0'	
EXIT TOP	5458'	5320.7'	-576.7'	92.5	124.8'	1.1'/100' DOWN
ENTER TOP G1	5690'	5325.8'	-581.8'	86.2	351.4'	2.2'/100' DOWN
TOP SCRAPE	5828'	5328.9'	-584.9'	89.5	489.3'	2.2'/100' DOWN
TOP SCRAPE	6114'	5335.4'	-591.4'	89.0	774.9'	2.2'/100' DOWN
TOP SCRAPE	7091'	5360.1'	-616.1'	88.8	1746.6'	2.9'/100' DOWN
TOP SCRAPE	7250'	5364.5'	-620.5'	88.8	1904.4'	2.4'/100' DOWN
EXIT TOP	7600'	5374.6'	-630.6'	90.1	2251.4'	2.8'/100' DOWN
		4744.0'				
		4744.0'				OVERALL DIP= 2.5'/100' DOWN
		4744.0'				
		4744.0'				
		4744.0'				
		4744.0'				
		4744.0'				
		4744.0'				

WELL COMMENTS:

Bob, Everything went great. Good luck. Hope you have more oil than you know what to with. It looked great.

LITHOLOGY:

STEVE

017

**QUESTAR EXPLORATION & PROD.
TOOKE ROCKIES, INC.
MORNING REPORT**

CONFIDENTIAL

CONTACTS: FAX # 303-295-0222
BOB BASSE OFF: 303-308-3604
HOME: 303-733-7307
STEVE STRAUCH: RIG: 307-262-7275
CELL: 303-594-6101

DATE: 12/30/03 DAY #: 15

WELL: 5G-16-8-21 H MILLED CASING: 12/16/03 ENTRY PT 5400' md / 5320.1' tvd

LOC: SW/NW SEC: 16 TOWNSHIP: 8S RANGE: 21E COUNTY: UINTAH STATE: UT

TARGET FM: GREEN RIVER G1 PROPOSED TD: _____ GOAL: _____ ft KB: 4744 ft

CURRENT ACTIVITY: DRILLING AHEAD GL: 4734 ft

6:00 DEPTH: 7052' 24HR FT: 250' FM: GREEN RIVER PROG TO BIT: _____

DAILY HORIZ: 250' IN ZONE 250' OUT TOP 0' OUT BASE 0'

TOTAL HORIZ. 1902' IN ZONE 1670' TOTAL OUT TOP 232' TOTAL OUT BASE 0'
PERCENTAGES 88% 12% 0%

GAS INFO
BGG TOTAL: 3200u C1 512u C2 2u C3 22u C4 17u MAX GAS 27650u
CONN / DTG GAS: 24000u TRIP GAS: _____ MW: 8.4 VIS 48

FORMATION INFO:

TOPS - SCRAPES - IN & OUT	MD	TVD	SUBSEA	ANGLE	VS	DIP RATE
G1 ENTRY	5400'	5320.1'	-576.1'	85.7	71.0'	
EXIT TOP	5458'	5320.7'	-576.7'	92.5	124.8'	1.1'/100' DOWN
ENTER TOP G1	5690'	5325.8'	-581.8'	86.2	351.4'	2.2'/100' DOWN
TOP SCRAPE	5828'	5328.9'	-584.9'	89.5	489.3'	2.2'/100' DOWN
TOP SCRAPE	6114'	5335.4'	-591.4'	89.0	774.9'	2.2'/100' DOWN
TOP SCRAPE	7091'	5360.1'	-616.1'	88.8	1746.6'	2.9'/100' DOWN
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			
			4744.0'			

WELL COMMENTS:

Bob, Everything is going A-OK. But gas and oil are down. We had a mud weight as low as 7.4 after the trip. So we began adding brine water to raise the weight. Now we are at 8.5. We have about 20% oil on the possum belly. We are also going through the gas buster, but we have not had any flames since shortly after the trip. With the lower background gas we are seeing our connection gases. The shaker has been broken since yesterday. It should be fixed today. They have to have an electrician come out to finish the repairs. But in the meantime I haven't been able to recover any samples. I have tried every means possible, but without any luck. We have been drilling in the upper 1.5 foot. We have a 6 foot downward slide at 7288' to bring it down to 50-60 gamma cts. Because we have been scraping the top, and I think it is just safer to be a little lower or more in the middle. Still trying for samples.

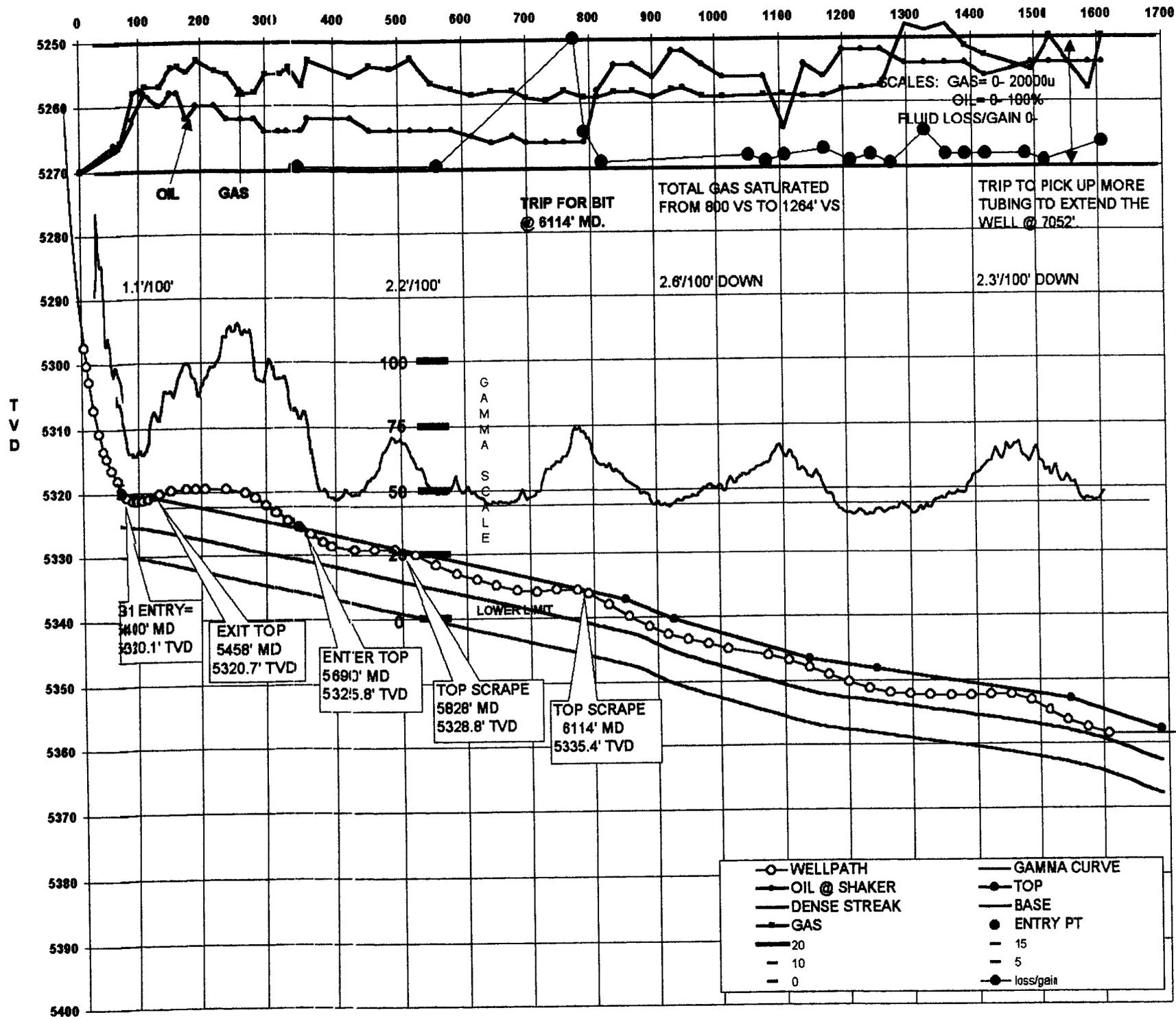
LITHOLOGY: NO SAMPLES

STEVE

RECEIVED

MAY 27 2004

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QUESTAR EXPLORATION
 5G-16-8-21
 Uintah, Utah

MD	INCL	AZM	N-S	E-W	TVD	VS	DLS
5100.00	1.55	141.76	-37.48	-8.62	5099.06	-38.11	0.00
5165.00	1.48	70.66	-37.89	-7.28	5164.04	-38.40	2.71
5175.00	2.83	51.33	-37.70	-6.97	5174.04	-38.17	15.15
5185.00	4.38	46.64	-37.28	-6.50	5184.02	-37.71	15.77
5195.00	5.89	44.33	-36.65	-5.86	5193.97	-37.03	15.24
5205.00	7.26	41.28	-35.81	-5.09	5203.91	-36.12	14.13
5215.00	8.67	42.95	-34.78	-4.16	5213.81	-35.01	14.29
5225.00	11.31	43.60	-33.52	-2.97	5223.66	-33.65	26.42
5235.00	14.80	33.60	-31.74	-1.58	5233.40	-31.76	41.45
5245.00	20.20	38.20	-29.32	0.19	5242.93	-29.18	55.70
5255.00	25.20	41.70	-26.37	2.68	5252.16	-26.02	51.77
5265.00	30.30	42.90	-22.93	5.81	5261.00	-22.32	51.30
5275.00	34.90	43.30	-19.00	9.50	5269.43	-18.07	46.05
5285.00	40.30	42.20	-14.52	13.63	5277.35	-13.23	54.41
5295.00	45.10	41.90	-9.49	18.17	5284.69	-7.81	48.04
5305.00	50.60	42.20	-3.98	23.14	5291.40	-1.88	55.04
5315.00	55.40	42.10	1.94	28.49	5297.42	4.50	48.01
5320.00	58.10	42.10	5.04	31.30	5300.16	7.84	54.00
5325.00	61.20	42.00	8.24	34.19	5302.69	11.29	62.02
5335.00	66.60	41.90	14.92	40.19	5307.08	18.49	54.01
5345.00	71.10	41.70	21.87	46.40	5310.69	25.97	45.04
5355.00	76.40	39.00	29.18	52.61	5313.49	33.82	58.99
5360.00	78.00	37.40	33.02	55.63	5314.60	37.90	44.70
5370.00	80.20	36.00	40.89	61.50	5316.49	46.27	25.94
5380.00	82.20	35.60	48.90	67.28	5318.02	54.78	20.39
5390.00	84.00	35.10	57.00	73.02	5319.22	63.36	18.67
5400.00	85.70	34.20	65.19	78.68	5320.12	72.03	19.22
5410.00	86.70	32.60	73.52	84.17	5320.78	80.82	18.84
5420.00	88.30	31.30	82.00	89.46	5321.22	89.74	20.61
5430.00	89.80	30.40	90.58	94.59	5321.38	98.75	17.49
5440.00	91.00	28.00	99.31	99.47	5321.31	107.89	26.83
5450.00	92.20	27.30	108.17	104.10	5321.03	117.12	13.89
5470.00	92.10	23.30	126.23	112.64	5320.28	135.89	19.99
5490.00	90.80	19.50	144.84	119.94	5319.78	155.08	20.07
5514.00	90.10	17.50	167.60	127.55	5319.59	178.43	8.83
5530.00	89.90	16.50	182.90	132.23	5319.59	194.09	6.37
5545.00	90.40	16.00	197.30	136.43	5319.55	208.81	4.71
5577.00	89.80	15.10	228.13	145.01	5319.49	240.29	3.38
5592.00	89.10	14.80	242.62	148.88	5319.64	255.07	5.08
5608.00	87.80	14.70	258.09	152.95	5320.07	270.84	8.15
5623.00	86.30	14.50	272.58	156.72	5320.84	285.62	10.09
5639.00	85.40	13.20	288.08	160.54	5322.00	301.40	9.86
5654.00	85.60	11.90	302.67	163.79	5323.17	316.23	8.74

5671.00	86.10	11.00	319.29	167.16	5324.41	333.08	6.04
5686.00	86.00	10.00	334.00	169.89	5325.44	347.98	6.68
5703.00	86.00	8.30	350.75	172.58	5326.62	364.90	9.98
5722.00	86.60	7.30	369.53	175.16	5327.85	383.84	6.13
5735.00	87.70	6.90	382.42	176.76	5328.50	396.81	9.00
5766.00	89.90	5.30	413.23	180.05	5329.15	427.80	8.77
5796.00	90.20	4.50	443.12	182.62	5329.12	457.80	2.85
5828.00	89.50	4.30	475.03	185.07	5329.20	489.80	2.28
5860.00	87.10	3.40	506.94	187.22	5330.15	521.77	8.01
5891.00	87.20	2.60	537.86	188.84	5331.69	552.71	2.60
5923.00	88.00	2.60	569.79	190.29	5333.03	584.65	2.50
5955.00	88.40	2.60	601.75	191.74	5334.04	616.60	1.25
5985.00	88.10	2.80	631.70	193.15	5334.96	646.56	1.20
6018.00	89.10	2.20	664.66	194.59	5335.76	679.51	3.53
6049.00	90.50	2.50	695.63	195.86	5335.87	710.47	4.62
6080.00	90.60	1.80	726.61	197.03	5335.57	741.43	2.28
6114.00	89.00	1.80	760.59	198.09	5335.69	775.37	4.71
6131.00	87.40	1.40	777.57	198.57	5336.23	792.32	9.70
6163.00	86.50	359.40	809.52	198.79	5337.93	824.17	6.85
6195.00	86.90	1.10	841.47	198.93	5339.77	855.99	5.45
6227.00	87.30	0.70	873.43	199.43	5341.39	887.86	1.77
6257.00	88.00	0.60	903.40	199.77	5342.62	917.74	2.36
6289.00	89.10	0.60	935.39	200.11	5343.43	949.63	3.44
6321.00	88.30	359.90	967.38	200.25	5344.16	981.50	3.32
6353.00	89.00	0.30	999.37	200.30	5344.91	1013.37	2.52
6416.00	89.00	0.00	1062.36	200.47	5346.01	1076.12	0.48
6448.00	88.30	359.80	1094.35	200.41	5346.76	1107.97	2.28
6480.00	87.70	359.60	1126.33	200.24	5347.88	1139.81	1.98
6511.00	87.80	359.30	1157.30	199.95	5349.10	1170.63	1.02
6542.00	88.10	359.70	1188.28	199.68	5350.21	1201.46	1.61
6574.00	88.10	359.60	1220.26	199.48	5351.27	1233.29	0.31
6606.00	89.50	359.50	1252.25	199.23	5351.94	1265.13	4.39
6638.00	89.70	359.70	1284.25	199.01	5352.16	1296.98	0.88
6669.00	89.80	359.40	1315.25	198.76	5352.29	1327.83	1.02
6702.00	89.90	358.80	1348.25	198.24	5352.38	1360.64	1.84
6733.00	90.00	359.00	1379.24	197.65	5352.41	1391.45	0.72
6764.00	90.40	358.80	1410.24	197.05	5352.30	1422.27	1.44
6796.00	89.40	358.80	1442.23	196.38	5352.36	1454.07	3.13
6828.00	87.20	358.20	1474.20	195.55	5353.31	1485.84	7.13
6859.00	87.00	357.70	1505.14	194.44	5354.87	1516.55	1.74
6889.00	87.50	357.80	1535.08	193.26	5356.31	1546.26	1.70
6921.00	88.10	358.00	1567.04	192.09	5357.54	1577.98	1.98
6953.00	88.50	358.20	1599.01	191.03	5358.49	1609.72	1.40
6995.00	89.50	358.10	1640.98	189.68	5359.22	1651.40	2.39
7026.00	89.60	358.20	1671.96	188.67	5359.47	1682.17	0.46
7058.00	89.10	358.30	1703.94	187.70	5359.83	1713.93	1.59
7091.00	88.80	358.20	1736.92	186.69	5360.43	1746.68	0.96
7123.00	88.00	358.10	1768.89	185.66	5361.33	1778.43	2.52
7155.00	87.70	358.20	1800.85	184.63	5362.53	1810.17	0.99
7186.00	88.60	358.00	1831.82	183.60	5363.53	1840.92	2.97
7218.00	89.00	358.30	1863.80	182.56	5364.20	1872.67	1.56

	7250.00	88.80	358.20	1895.78	181.59	5364.81	1904.43	0.70
	7282.00	87.60	357.90	1927.74	180.50	5365.82	1936.16	3.87
	7313.00	86.80	357.60	1958.68	179.28	5367.33	1966.87	2.76
	7345.00	87.30	357.80	1990.61	178.00	5368.98	1998.55	1.68
	7377.00	87.30	357.70	2022.55	176.75	5370.49	2030.25	0.31
	7409.00	87.50	357.50	2054.49	175.41	5371.94	2061.94	0.88
	7441.00	88.00	357.50	2086.43	174.01	5373.20	2093.62	1.56
	7473.00	89.30	357.40	2118.39	172.59	5373.95	2125.32	4.07
	7505.00	89.60	357.60	2150.36	171.19	5374.26	2157.04	1.13
	7537.00	89.50	357.10	2182.33	169.71	5374.51	2188.74	1.59
	7569.00	90.00	357.10	2214.29	168.10	5374.65	2220.42	1.56
	7583.00	90.10	357.20	2228.27	167.40	5374.64	2234.28	1.01
Project	7619.00	90.00	357.20	2264.22	165.64	5374.60	2269.93	0.28



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Dailey Directional Services

WEATHERFORD DRILLING SERVICES - DIRECTIONAL SERVICE JOB TICKET

Bill To: QUESTAR	Well Name: 5G-16-8-21	Dailey Job #: WYL1203DH092
	Location: SEC 16 - T8S - R21E	Contract #:
	County/State: UINTAH CO. UTAH	AFE # 600193
	Rig #: PATTERSON # 51	Field

Description		Unit	Rate	Total
Operating Days:	12/17/03 - 12/31/03	15	\$ 6,700.00	\$ 100,500.00
Standby Days:	12/15/03 - 12/16/03	2	\$ 2,500.00	\$ 5,000.00
Subsistence:	\$100 / DAY PER MAN X 4 MEN 12/15/03 - 12/31/03	17	\$ 400.00	\$ 6,800.00
Gamma Option:	12/19/03 - 12/31/03	13	\$ 500.00	\$ 6,500.00
L.I.H. Coverage:	12/19/03 - 12/31/03	13	\$ 400.00	\$ 5,200.00
Hoisting for Gyro:		3	\$ 2,000.00	\$ 6,000.00
Wireline Standby:	12/13/03 - 12/14/03	2	\$ 1,700.00	\$ 3,400.00
Wireline travel:	12/12/2003	1	\$ 1,500.00	\$ 1,500.00
Travel day:	1/1/2004	1	\$ 3,000.00	\$ 3,000.00
Wireline Splice:		1	\$ 1,100.00	\$ 1,100.00
Wireline Damage:	250'	250	\$ 0.92	\$ 230.00
Gamma Inspection:	SER # 068	1	\$ 100.00	\$ 100.00
Probe Inspection:	SER # 2420	1	\$ 250.00	\$ 250.00
				\$ -
				\$ -
				\$ -
Mileage:	1682 MILES ROUND TRIP FROM MIDLAND, 1 TRUCK @ \$1.85 / MILE	1	\$ 3,112.00	\$ 3,112.00
Mileage:	1682 MILES ROUND TRIP FROM MIDLAND, 1 TRUCK @ \$1.50 / MILE	1	\$ 2,535.00	\$ 2,535.00
Mileage:	800 MILES ROUND TRIP FROM CASPER, 2 TRUCKS @ \$1.50 / MILE	2	\$ 1,200.00	\$ 2,400.00
X-Over Inspection:	SER # N/A / 180792 / n/a	3	\$ 45.00	\$ 135.00
Float Valve Rebuild Kit:		1	\$ 175.00	\$ 175.00
Non Mag Inspection:	SER # 243455 / 243467	2	\$ 100.00	\$ 200.00
U.B.H.O. Inspection:	SER # 251961	1	\$ 45.00	\$ 45.00
Float Sub Inspection:	SER # 251988	1	\$ 45.00	\$ 45.00
Motor Inspection:	SER #375210 / 375176 / 375139 / 375189	4	\$ 500.00	\$ 2,000.00
Field Estimate of Charges				\$ 150,227.00

Dailey Representative: DAN MINER / TIM SNYDER Company Representative: _____



Weatherford



OPERATOR : QUESTAR

WELL : 5G-16-8-21

BHA # : 2

JOB # : WYL1203DH092

DATE : 12/18/2003

CONTRACTOR : PATTERSON # 51

SERIAL #	SUPPLIER	DESCRIPTION	F.N.	O.D.	I.D.	CONNECTION	LENGTH
MN7006	SMITH	BIT	MF2PS	4 3/4		2 7/8 RP JETS = OPEN	0.50
375176	B.M.	MOTOR 3.25		3 3/4		2 7/8 RB x 2 7/8 RB	16.63
251988	DAILEY	FLOAT SUB		3 11/16		2 7/8 RP x 2 7/8 PH6B	1.04
251961	DAILEY	U.B.H.O.		3 1/2	2	2 7/8 PH6P x 2 7/8 PH6B	2.42
243455	DAILEY	MONEL		3 7/16	2 1/8	2 7/8 PH6P x 2 7/8 PH6B	30.83
243467	DAILEY	MONEL		3 7/16	2 1/8	2 7/8 PH6P x 2 7/8 PH6B	31.14
N/A	WEATH	2 7/8 TUBING	47 JTS.	2 7/8	2 3/16	2 7/8 PH6P x 2 7/8 PH6B	1455.36
N/A	WEATH	X-O		3 3/4	2 3/16	2 7/8 PH6P x 2 7/8 H90B	0.78
N/A	WEATH	HWDP	40 JTS.	3 3/4	2 1/8	2 7/8 H90P x 2 7/8 H90B	1226.94
3489	WEATH	X-O		3 3/4	2 1/8	2 7/8 H90P x 2 7/8 AOHB	1.27
TOTAL :		2,766.91				SURVEY SPACING :	30

DATE IN :	12/18/2003	CIRCULATING HRS.:	0		DEPTH IN :	5225
TIME IN :		DRILLING HRS. :	4.5		DEPTH OUT :	5255
DATE OUT :	12/18/2003	TOTAL HRS. :	4.50		FOOTAGE :	30
TIME OUT :		KELLY LENGTH :	26			



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Daily Work Report

DATE 17-Dec-03 WED		Company QUESTAR		Job # WYL1203DH092		Ftg. Last 24 Hrs	
Rig PATTERSON # 51		Report # 3		Last Csg. Set 5 1/2 @ 5164			
Well 5G-16-8-21		Midn't Depth 5171		Total PDM Hrs			

BHA #	1	Bit	1	BHA#	1	BHA#	
PDM # 375210	B.M.	Size	4 3/4	Item	Length	Item	Length
Drl hrs		Make	SMITH	BIT	.5		
Cir hrs.		Type	XR30PS	MOTOR	16.63		
Cum. Drl. Hrs		Depth In	5171	FLOAT	1.04		
Cum. Cir. Hrs		Depth Out		UBHO	2.42		
Bent Sub	N/A	Hours		NMDC	30.83		
Bent Hous	2.00	Nozzles (TFA)	OPEN	NMDC	31.14		
Depth In	5171	ROP		TUBING	1455.36		
Depth Out		T/B/G		X-O	.78		
WOB SLIDE	10	Mud Type		HWDP	1226.94		
Pad/Stab OD	4"	Weight		X-O	1.27		
GPM	133	Viscosity		D.P.			
PSI off BTTM		PV/YP		WET CON.			
PSI on BTTM		PH					
Hook Load		Water Loss					
P/U Weight		Solid Content					
S/O Weight		Sand Content					
Flowline Temp.		Chlorides		TOTAL =	2766.91	TOTAL =	

Time Log			Operation details and comments	BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	900	9.00	MILLING WINDOW				
900	1030	1.50	PICKUP DIRECTIONAL TOOLS				
1030	1400	3.50	SINGLE IN 47 JTS. OF PH6 TUBING				
1400	1545	1.75	T.I.H.				
1545	1815	2.50	RIG UP SWIVEL AND W.L. TRUCK				
1815	2100	2.75	RUN IN GYRO				
2100	2400	3.00	PULL GYRO, CHECK AND RUN IN HOLE				
2400							

Motor Inventory	
Clean	2
Dirty	1

Directional Charges	
Operating	\$6,700
Subsistence	\$400
Milage	
Stand By	
Motor Inspection	\$500
Gamma	
L.I.H. Coverage	
Daily Total	\$7,600
Cum Total	\$15,800

Weatherford Representatives	
DAN MINER	
TIM SNYDER	
Operator Representatives	
JEFF JONES	
PETE AYOTTE	

Total Hours=	24.00
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Daily Work Report

DATE	18-Dec-03	THU				
Company	QUESTAR	Job #	WYL1203DH092	Ftg. Last 24 Hrs	54	
Rig	PATTERSON # 51	Report #	4	Last Csg. Set	5 1/2 @ 5164	
Well	5G-16-8-21	Midn't Depth	5225	Total PDM Hrs	14.75	

BHA #	1	2	Bit	1	2	BHA#	1	BHA#	2
PDM # 375210	B.M.	B.M.	Size	4 3/4	4 3/4	Item	Length	Item	Length
Drl hrs	10.5		Make	SMITH	SMITH	BIT	.5	BIT	.5
Cir hrs.	4.25		Type	XR30PS	MF2PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	10.5		Depth In	5171	5225	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	4.25		Depth Out	5225		UBHO	2.42	UBHO	2.42
Bent Sub	N/A	N/A	Hours	10.5		NMDC	30.83	NMDC	30.83
Bent Hous	2.00	3 1/4	Nozzles (TFA)	OPEN	OPEN	NMDC	31.14	NMDC	31.14
Depth In	5171	5225	ROP			TUBING	1455.36	TUBING	1455.36
Depth Out	5225		T/B/G			X-O	.78	X-O	.78
WOB SLIDE	10	10	Mud Type	POLYMER		HWDP	1226.94	HWDP	1226.94
Pad/Stab OD	4"		Weight	8.5		X-O	1.27	X-O	1.27
GPM	133	133	Viscosity	36		D.P.		D.P.	
PSI off BTTM	860	860	PV/YP	N/A		WET CON.		WET CON.	
PSI on BTTM	940	940	PH	8					
Hook Load	55	55	Water Loss	25					
P/U Weight	55	55	Solid Content	.2					
S/O Weight	54	54	Sand Content	TRACE					
Flowline Temp.			Chlorides	21000		TOTAL =	2766.91	TOTAL =	2766.91

Time Log			Operation details and comments	BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	730	7.50	DRILL = 5171 - 5200	FT	54		54
730	930	2.00	CONNECTION	Hrs	10.5	4.25	14.75
930	1230	3.00	DRILL = 5200 - 5225	Motor Inventory			
1230	1330	1.00	MIX AND PUMP PILL	Clean	2		
1330	1430	1.00	RIG DOWN SWIVAL	Dirty	2		
1430	1845	4.25	T.O.O.H. PART WAY	Directional Charges			
1845	2200	3.25	CIRCULATE WAIT ON MUD MOTOR	Operating		\$6,700	
2200	2400	2.00	T.O.O.H. CHANGE MOTOR AND BIT	Subsistance		\$400	
2400				Milage			
				Stand By			
				Motor Inspection		\$500	
				Gamma			
				L.I.H. Coverage			
				Daily Total		\$7,600	
				Cum Total		\$23,400	
				Weatherford Representatives			
				DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours=			24.00				



CONFIDENTIAL

Daily Work Report

DATE 19-Dec-03 FRI		Job # WYL1203DH092		Ftg. Last 24 Hrs 68	
Company QUESTAR	Rig PATTERSON # 51	Report # 5	Last Csg. Set 5 1/2 @ 5164		
Well 5G-16-8-21	Midn't Depth 5293	Total PDM Hrs 9.25			

BHA #	2	Bit	RR2	BHA#	3	BHA#	4
PDM # 375176	B.M.	Size	4 3/4	Item	Length	Item	Length
Drl hrs	9.25	Make	SMITH	BIT	.5	BIT	
Cir hrs.	0	Type	MF2PS	MOTOR	16.63	MOTOR	
Cum. Drl. Hrs	9.25	Depth In	5225	FLOAT	1.04	FLOAT	
Cum. Cir. Hrs	0	Depth Out		UBHO	2.42	UBHO	
Bent Sub	N/A	Hours	9.25	NMDC	30.83	NMDC	
Bent Hous	3.25	Nozzles (TFA)	OPEN	NMDC	31.14	NMDC	
Depth In	5225	ROP		TUBING	1455.36	TUBING	
Depth Out		T/B/G		X-O	.78	X-O	
WOB SLIDE	10	Mud Type	POLYMER	HWDP	1226.94	HWDP	
Pad/Stab OD	4"	Weight	8.5	X-O	1.27	X-O	
GPM	133	Viscosity	36	D.P.-72	2281.66	D.P.	
PSI off BTTM	860	PV/YP	N/A	WET CON.	1.33	WET CON.	
PSI on BTTM	940	PH	8				
Hook Load	55	Water Loss	25				
P/U Weight	55	Solid Content	.2				
S/O Weight	54	Sand Content	TRACE				
Flowline Temp.		Chlorides	21000	TOTAL =	5049.90	TOTAL =	

Time Log			Operation details and comments	BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	300	3.00	T.I.H.	FT	68		68
300	545	2.75	RIG UP SWIVEL AND RUN IN GYRO	Hrs	9.25		9.25
545	1015	4.50	DRILL = 5225 - 5255	Motor Inventory			
1015	1200	1.75	WORK ON THE PUMP AND RIG DOWN GYRO	Clean	2		
1200	1530	3.50	RIG UP STEERING TOOL	Dirty	2		
1530	1600	0.5	R/U SWIVEL	Directional Charges			
1600	1900	3.00	LOG GAMMA FROM 5111 - 5222	Operating	\$6,700		
1900	2015	1.25	DRILL = 5255 - 5264	Subsistence	\$400		
2015	2030	0.25	CONNECTION	Mileage			
2030	2400	3.50	DRILL = 5264 - 5293	Stand By			
2400				Motor Inspection			
				Gamma	\$500		
				L.I.H. Coverage	\$300		
				Daily Total	\$7,900		
				Cum Total	\$31,300		
				Weatherford Representatives			
				DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours= 24.00							



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Daily Work Report

DATE	20-Dec-03	SAT				
Company	QUESTAR	Job #	WYL1203DH092		Ftg. Last 24 Hrs	66
Rig	PATTERSON # 51	Report #	6		Last Csg. Set	5 1/2 @ 5164
Well	5G-16-8-21	Midn't Depth	5359		Total PDM Hrs	24

BHA #	3	4	Bit	RR2	RR1	BHA#	3	BHA#	4
PDM # 375176	B.M.	B.M.	Size	4 3/4	4 3/4	Item	Length	Item	Length
Drl hrs	14.5		Make	SMITH	SMITH	BIT	.5	BIT	.5
Cir hrs.	.25		Type	MF2PS	XR30PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	23.75		Depth In	5225	5359	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	.25		Depth Out	5359		UBHO	2.42	UBHO	2.42
Bent Sub	N/A	N/A	Hours	23.75	10.5	NMDC	30.83	NMDC	30.83
Bent Hous	3.25	2.00	Nozzles (TFA)	OPEN	OPEN	NMDC	31.14	NMDC	31.14
Depth In	5225	5359	ROP			TUBING	1455.36	TUBING	1455.36
Depth Out	5359		T/B/G			X-O	.78	X-O	.78
WOB SLIDE	10	12	Mud Type	POLYMER		HWDP	1226.94	HWDP	1226.94
Pad/Stab OD	4"	4"	Weight	8.5		X-O	1.27	X-O	1.27
GPM	133	133	Viscosity	38		D.P.-72	2281.66	D.P.	2281.66
PSI off BTTM	1070		PV/YP	13 / 18		WET CON.	1.33	WET CON	1.33
PSI on BTTM	1200		PH	9.5					
Hook Load	55		Water Loss						
P/U Weight	60		Solid Content	.3					
S/O Weight	50		Sand Content	TRACE					
Flowline Temp.			Chlorides	22000		TOTAL =	5049.90	TOTAL =	5049.90

Time Log			Operation details and comments	#3 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	30	0.50	DRILL = 5293 - 5295	FT	134		134
30	45	0.25	CONNECTION	Hrs	23.75	0.25	24
45	730	6.75	DRILL = 5295 - 5328	Motor Inventory			
730	745	0.25	CONNECTION	Clean	2		
745	1500	7.25	DRILL = 5328 - 5359	Dirty	2		
1500	1515	0.25	MIX AND PUMP PILL	Directional Charges			
1515	1600	0.75	RIG DOWN SWIVEL	Operating	\$6,700		
1600	1930	3.50	T.O.O.H.	Subsistence	\$400		
1930	2030	1.00	CHANGE MOTOR, BIT, SCRIBE TO UBHO SUB	Mileage			
2030	2130	1.00	TIH T/DP	Stand By			
2130	2300	1.50	SLIP & CUT 500' DRILL LINE	Motor Inspection			
2300	2400	1.00	RUN DP T/WET CONNECT SUB	Gamma	\$500		
2400				L.I.H. Coverage	\$300		
				Daily Total	\$7,900		
				Cum Total	\$39,200		
				Weatherford Representatives			
				DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours=			24.00				



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Daily Work Report

DATE	21-Dec-03 SUN		
Company	QUESTAR	Job #	WYL1203DH092
Rig	PATTERSON # 51	Report #	7
Well	5G-16-8-21	Midn't Depth	5500
		Ftg. Last 24 Hrs	141
		Last Csg. Set	5 1/2 @ 5164
		Total PDM Hrs	34.5

BHA #	4	Bit	RR1	BHA#	4	BHA#	Length
PDM 375210	B.M.	Size	4 3/4	Item	Length	Item	Length
Drl hrs	18.75	Make	SMITH	BIT	.5		
Cir hrs.	1	Type	XR30PS	MOTOR	16.63		
Cum. Drl. Hrs	29.25	Depth In	5359	FLOAT	1.04		
Cum. Cir. Hrs	5.25	Depth Out		UBHO	2.42		
Bent Sub	N/A	Hours	29.25	NMDC	30.83		
Bent Hous	2.0	Nozzles (TFA)	OPEN	NMDC	31.14		
Depth In	5359	ROP		TUBING	1455.36		
Depth Out		T/B/G		X-O	.78		
WOB SLIDE	10	Mud Type	POLYMER	HWDP	1226.94		
Pad/Stab OD	4"	Weight	8.6	X-O	1.27		
GPM	133	Viscosity	38	D.P.-72	2281.66		
PSI off BTTM	1070	PV/YP	13 / 18	WET CON.	1.33		
PSI on BTTM	1110	PH	9.5	FUDGE	-5		
Hook Load	54	Water Loss					
P/U Weight	58	Solid Content	.3				
S/O Weight	48	Sand Content	TRACE				
Flowline Temp.		Chlorides	22000	TOTAL =	5044.90	TOTAL =	

Time Log			Operation details and comments	FT Hrs	#4 BHA Run Tally			
From	To	Hours			Rotate	Slide	Circulate	Total
	200	2.00	RUN STEERING TOOL & SEAT SAME		195		195	
200	300	1.00	TIH T/ 5329-P/U SWIVEL-TIH T/5359		29.25	5.25	34.5	
300	800	5.00	DRILL 5359 - 5391		Motor Inventory			
800	815	0.25	CONNECTION		Clean	2		
815	1130	3.25	DRILL 5391 - 5423		Dirty	2		
1130	1200	0.5	CONNECTION AND TEST DUPLEX		Directional Charges			
1200	1415	2.25	DRILL 5423 - 5455		Operating		\$6,700	
1415	1430	0.25	CONNECTION		Subsistence		\$400	
1430	1630	2.00	DRILL 5455 - 5471		Mileage			
1630	1700	0.50	REAM 5456 - 5465		Stand By			
1700	2015	3.25	DRILL 5471 - 5486		Motor Inspection			
2015	2100	0.75	CONNECTION		Gamma		\$500	
2100	2400	3.00	DRILL 5486 - 5500		L.I.H. Coverage		\$600	
2400								
					Daily Total		\$8,200	
					Cum Total		\$47,400	
					Weatherford Representatives			
					DAN MINER			
					TIM SNYDER			
					Operator Representatives			
					JEFF JONES			
					PETE AYOTTE			
Total Hours=			24.00					



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Daily Work Report

DATE	22-Dec-03	MON	Job #	WYL1203DH092	Ftg. Last 24 Hrs	52
Company	QUESTAR		Report #	8	Last Csg. Set	5 1/2 @ 5164
Rig	PATTERSON # 51		Midn't Depth	5552	Total PDM Hrs	36.5/10.75
Well	5G-16-8-21					

BHA #	4	5	Bit	RR1	RR1	BHA#	4	BHA#	5
PDM 375210	B.M.	BM375139	Size	4 3/4	4 3/4	Item	Length	Item	Length
Drl hrs	1.75	8.00	Make	SMITH	SMITH	BIT	.5	BIT	.5
Cir hrs.	.25	2.75	Type	XR30PS	XR30PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	31		Depth In	5359	5506	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	5.5	9.5	Depth Out	5506		UBHO	2.42	UBHO	2.42
Bent Sub	N/A	1.25	Hours	12.5		NMDC	30.83	NMDC	30.83
Bent Hous	2.0	1.5	Nozzles (TFA)	OPEN	OPEN	NMDC	31.14	NMDC	31.14
Depth In	5359	5506	ROP			TUBING	1455.36	TUBING	1455.36
Depth Out	5506		T/B/G			X-O	.78	X-O	.78
WOB SLIDE	10	W/E	Mud Type	POLYMER		HWDP	1226.94	HWDP	1226.94
Pad/Stab OD	4"		Weight	8.6		X-O	1.27	X-O	1.27
GPM	133		Viscosity	38		D.P.-72	2281.66	D.P.-72	2281.66
PSI off BTM	1070	1020	PV/YP	13 / 18		WET CON.	1.33	WET CON	1.33
PSI on BTM	1110	1100	PH	9.5		FUDGE	-5	FUDGE	-5
Hook Load	55	58	Water Loss						
P/U Weight	60	58	Solid Content	.3					
S/O Weight	50	48	Sand Content	TRACE					
WOB ROT.		10 to 12	Chlorides	22000		TOTAL =	5044.90	TOTAL =	5044.90

Time Log			Operation details and comments	#5 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	145	1.75	DRILL 5500 - 5506	21	25		46
145	200	0.25	REAM 5486 - 5506	2	6	2.75	10.75
200	330	1.50	MIX AND PUMP PILL-TOH T/W.C.	Motor Inventory			
330	430	1.00	PULL S.T.				
430	630	2.00	TOH T/MOTOR	Dirty	1	Directional Charges	
630	730	1.00	CHANGE MOTORS	Operating	\$6,700		
730	1100	3.50	TIH T/W.C.	Subsistence	\$400	Weatherford Representatives	
1100	1200	1.00	RUN S.T.	Mileage			
1200	1315	1.25	FILL STRING & TIH T/5425	Stand By		DAN MINER	
1315	1430	1.25	REAM 5425 - 5506	Motor Inspection	\$500		
1430	2200	7.50	DRILL 5506-5550	Gamma	\$500	TIM SNYDER	
2200	2330	1.50	SWIVEL CONTROL REPAIR-CIRC OFF BTM	L.I.H. Coverage	\$400		
2330	2400	0.50	DRILL 5550-5552	Daily Total	\$8,500	Operator Representatives	
2400				Cum Total	\$55,900		
			0330-F/STEVE-GEOLOGIST-DIP 1.1/100=89.45 INC	JEFF JONES			
			ENTERED ZONE 5400 MD=5320.1 TVD				
			EXITED ZONE 5458 MD=5320.7 TVD				
			1400-STEVE TGT 89.7 INC, .5 DIP	PETE AYOTTE			
Total Hours=			24.00				



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Daily Work Report

DATE	23-Dec-03	TUE
Company	QUESTAR	Job # WYL1203DH092
Rig	PATTERSON # 51	Report # 9
Well	5G-16-8-21	Midn't Depth 5675
Ftg. Last 24 Hrs		123
Last Csg. Set		5 1/2 @ 5164
Total PDM Hrs		34

BHA #	5	Bit	RR1	BHA#	5	BHA#	5
PDM #3	BM375139	Size	4 3/4	Item	Length	Item	Length
Drl hrs	23	Make	SMITH	BIT	.5		
Cir hrs.	.25	Type	XR30PS	MOTOR	16.63		
Cum. Drl. Hrs	31	Depth In	5506	FLOAT	1.04		
Cum. Cir. Hrs	3	Depth Out		UBHO	2.42		
Bent Sub	N/A	Hours	70	NMDC	30.83		
Bent Hous	1.5	Nozzles (TFA)	OPEN	NMDC	31.14		
Depth In	5506	ROP	4.9	TUBING	1455.36		
Depth Out		T/B/G		X-O	.78		
WOB SLIDE	W/E	Mud Type	POLYMER	HWDP	1226.94		
Pad/Stab OD		Weight	8.6	X-O	1.27		
GPM	133	Viscosity	38	D.P.-72	2281.66		
PSI off BTTM	1020	PV/YP	13 / 18	WET CON.	1.33		
PSI on BTTM	1100	PH	9.5	FUDGE	-5		
Hook Load	57	Water Loss					
P/U Weight	60	Solid Content	.3				
S/O Weight	48	Sand Content	TRACE				
WOB ROT.	10 TO 12	Chlorides	22000	TOTAL =	5044.90	TOTAL =	

Time Log			Operation details and comments	#5 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	1045	10.75	DRILL 5552 - 5613	40	129		169
1045	1130	0.75	REPAIR PACK OFF	4.5	26.5	3	34
1130	2000	8.50	DRILL 5613 - 5659	Motor Inventory Clean 1 Dirty 2			
2000	2015	0.25	REAM 5644-5659				
2015	2400	3.75	DRILL 5659-5675	Directional Charges Operating \$6,700 Subsistence \$400 Mileage Stand By Motor Inspection Gamma \$500 L.I.H. Coverage \$400 Daily Total \$8,000 Cum Total \$63,900			
2400							
			0330-STEVE TGT=<88.5 INC, 2.5' to 3' DIP	Weatherford Representatives DAN MINER TIM SNYDER Operator Representatives JEFF JONES PETE AYOTTE			
			0702-STEVE TGT=88.8 INC, 2.0' to 2.25' DIP				
Total Hours=			24.00				



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Daily Work Report

DATE 24-Dec-03 WED		Job # WYL1203DH092		Ftg. Last 24 Hrs 284				
Company QUESTAR		Report # 10		Last Csg. Set 5 1/2 @ 5164				
Rig PATTERSON # 51		Midn't Depth 5959		Total PDM Hrs 58				
Well 5G-16-8-21								
BHA #	5	Bit	RR1	BHA#	5			
PDM #3	BM375139	Size	4 3/4	Item	Length			
Drl hrs	24	Make	SMITH	BIT	.5			
Cir hrs.		Type	XR30PS	MOTOR	16.63			
Cum. Drl. Hrs	55	Depth In	5506	FLOAT	1.04			
Cum. Cir. Hrs	3	Depth Out		UBHO	2.42			
Bent Sub	N/A	Hours	94	NMDC	30.83			
Bent Hous	1.5	Nozzles (TFA)	OPEN	NMDC	31.14			
Depth In	5506	ROP		TUBING	1455.36			
Depth Out		T/B/G		X-O	.78			
WOB SLIDE	W/E	Mud Type	POLYMER	HWDP	1226.94			
Pad/Stab OD		Weight	8.6	X-O	1.27			
GPM	133	Viscosity	38	D.P.-72	2281.66			
PSI off BTTM	1020	PV/YP	13 / 18	WET CON.	1.33			
PSI on BTTM	1100	PH	9.5	FUDGE	-5			
Hook Load	58	Water Loss						
P/U Weight	62	Solid Content	.3					
S/O Weight	52	Sand Content	TRACE					
WOB ROT.	10	Chlorides	22000	TOTAL =	5044.90			
				TOTAL =				
Time Log			Operation details and comments		#5 BHA Run Tally			
From	To	Hours			Rotate	Slide	Circulate	Total
	2400	24.00	DRILL 5675-5959		FT	189	264	453
2400					Hrs	15	40	58
					Motor Inventory			
					Clean	1		
					Dirty	2		
					Directional Charges			
					Operating	\$6,700		
					Subsistence	\$400		
					Mileage			
					Stand By			
					Motor Inspection			
					Gamma	\$500		
					L.I.H. Coverage	\$400		
					Daily Total	\$8,000		
					Cum Total	\$71,900		
					Weatherford Representatives			
					DAN MINER			
					TIM SNYDER			
					Operator Representatives			
					JEFF JONES			
					PETE AYOTTE			
Total Hours=		24.00						



Daily Work Report

DATE	25-Dec-03	THUR
Company	QUESTAR	Job # WYL1203DH092
Rig	PATTERSON # 51	Report # 11
Well	5G-16-8-21	Midn't Depth 6116
Ftg. Last 24 Hrs		157
Last Csg. Set		5 1/2 @ 5164
Total PDM Hrs		671.5

BHA #	5	6	Bit	RR1	3	BHA#	5	BHA#	6
PDM #3/4	BM375139	BM375189	Size	4 3/4	4 3/4	Item	Length	Item	Length
Drl hrs	10	0.50	Make	SMITH	SMITH	BIT	.5	BIT	.5
Cir hrs.			Type	XR30PS	XR30PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	64	.5	Depth In	5506	6116	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	3		Depth Out	6116		UBHO	2.42	UBHO	2.42
Bent Sub	N/A		Hours	104	.5	NMDC	30.83	NMDC	30.83
Bent Hous	1.5		Nozzles (TFA)	OPEN	OPEN	NMDC	31.14	NMDC	31.14
Depth In	5506	6116	ROP			TUBING	1455.36	TUBING	1854.99
Depth Out	6116		T/B/G			X-O	.78	X-O	.78
WOB SLIDE	WE		Mud Type	POLYMER		HWDP	1226.94	HWDP	1226.94
Pad/Stab OD			Weight	8.6		X-O	1.27	X-O	1.27
GPM	133	133	Viscosity	38		D.P.-72	2281.66	D.P.-59	1870.98
PSI off BTTM	1220	1220	PV/YP	13 / 18		WET CON.	1.33	WET CON	1.33
PSI on BTTM	1270	1270	PH	9.5		FUDGE	-5	FUDGE	-5
Hook Load	58	58	Water Loss						
P/U Weight	62	62	Solid Content	.3					
S/O Weight	50	52	Sand Content	TRACE					
WOB ROT.	10	8	Chlorides	22000		TOTAL =	5044.90	TOTAL =	5033.85

Time Log			Operation details and comments	#5 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	630	6.50	DRILL 5959-6085	331	279		610
630	700	0.50	RIG SERVICE	23	41	3	67
700	930	2.50	DRILL 6085-6116	Motor Inventory			
930	1130	2.00	MIX & PUMP SWEEP-L/D WIRELINE, SWIVEL	Clean	1		
1130	1230	1.00	TOH T/ WET CONNECT	Dirty	2		
1230	1330	1.00	PULL STEERING TOOL	Directional Charges			
1330	1600	2.50	TOH-L/D 13 JTS DP	Operating			\$6,700
1600	1730	1.50	CHANGE MOTOR, BIT, ADJUST TO 1.5, SCRIBE	Subsistence			\$400
1730	2130	4.00	TIH T/WET CONNECT-P/U 13 JTS TBG	Mileage			
2130	2230	1.00	RUN STEERING TOOL	Stand By			
2230	2330	1.00	TIH T/6105 & P/U SWIVEL	Motor Inspection			\$500
2330	2400	0.50	DRILL 6116-6119	Gamma			\$500
2400				L.I.H. Coverage			\$400
				Daily Total			\$8,500
				Cum Total			\$80,400
			0700 STEVE -ALLOW GAMMA TO RISE TO 70 CT	Weatherford Representatives			
			BEFORE FADING BACK DOWN	DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours=			24.00				



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Daily Work Report

DATE	26-Dec-03 FRI		
Company	QUESTAR	Job #	WYL1203DH092
Rig	PATTERSON # 51	Report #	12
Well	5G-16-8-21	Midn't Depth	6452
		Ftg. Last 24 Hrs	333
		Last Csg. Set	5 1/2 @ 5164
		Total PDM Hrs	23

BHA #	6	7	Bit	3		BHA#	6	BHA#	7
PDM #4	BM375189		Size	4 3/4		Item	Length	Item	Length
Drl hrs	22.5		Make	SMITH		BIT	.5		
Cir hrs.			Type	XR30PS		MOTOR	16.63		
Cum. Drl. Hrs	23		Depth In	6116		FLOAT	1.04		
Cum. Cir. Hrs	0		Depth Out			UBHO	2.42		
Bent Sub	N/A		Hours	23		NMDC	30.83		
Bent Hous	1.5		Nozzles (TFA)	OPEN		NMDC	31.14		
Depth In	6116		ROP			TUBING	1854.99		
Depth Out			T/B/G			X-O	.78		
WOB SLIDE	10		Mud Type	POLYMER		HWDP	1226.94		
Pad/Stab OD	3 3/4		Weight	8.6		X-O	1.27		
GPM	133		Viscosity	38		D.P.-59	1870.98		
PSI off BTTM	1100		PV/YP	13 / 18		WET CON.	1.33		
PSI on BTTM	1170		PH	9.5		FUDGE	-5		
Hook Load	58		Water Loss						
P/U Weight	62		Solid Content	.3					
S/O Weight	52		Sand Content	TRACE					
WOB ROT.	8		Chlorides	22000		TOTAL =	5033.85	TOTAL =	

Time Log			Operation details and comments		#6 BHA Run Tally			
From	To	Hours			Rotate	Slide	Circulate	Total
	1500	15.00	DRILL 6119-6298	FT	282	54		336
1500	1630	1.50	RIG SERVICE	Hrs	16.5	6.5		23
1630	2400	7.50	DRILL 6298-6452					
2400								
					Motor Inventory			
					Clean			
					Dirty	3		
					Directional Charges			
					Operating		\$6,700	
					Subsistence		\$400	
					Mileage			
					Stand By			
					Motor Inspection			
					Gamma		\$500	
					L.I.H. Coverage		\$400	
					Daily Total		\$8,000	
					Cum Total		\$88,400	
			0500-STEVE TOP SCRAPE@6114 MD 5335.4		Weatherford Representatives			
			BOTTOM 5340.4		DAN MINER			
					TIM SNYDER			
					Operator Representatives			
					JEFF JONES			
					PETE AYOTTE			
Total Hours=		24.00						



CONFIDENTIAL

Daily Work Report

DATE 27-Dec-03 SAT		Job # WYL1203DH092		Ftg. Last 24 Hrs 352	
Company	QUESTAR	Report # 13		Last Csg. Set 5 1/2 @ 5164	
Rig	PATTERSON # 51	Midn't Depth 68		Total PDM Hrs 46.5	
Well	5G-16-8-21				

BHA #	6	7	Bit	3		BHA#	6	BHA#	7
PDM #4	BM375189		Size	4 3/4		Item	Length	Item	Length
Drl hrs	23.5		Make	SMITH		BIT	.5		
Cir hrs.			Type	XR30PS		MOTOR	16.63		
Cum. Drl. Hrs	46.5		Depth In	6116		FLOAT	1.04		
Cum. Cir. Hrs	0		Depth Out			UBHO	2.42		
Bent Sub	N/A		Hours	46.5		NMDC	30.83		
Bent Hous	1.5		Nozzles (TFA)	OPEN		NMDC	31.14		
Depth In	6116		ROP			TUBING	1854.99		
Depth Out			T/B/G			X-O	.78		
WOB SLIDE	10		Mud Type	POLYMER		HWDP	1226.94		
Pad/Stab OD	3 3/4		Weight	8.6		X-O	1.27		
GPM	133		Viscosity	38		D.P.-59	1870.98		
PSI off BTTM	1290		PV/YP	13 / 18		WET CON.	1.33		
PSI on BTTM	1350		PH	9.5		FUDGE	-5		
Hook Load	58		Water Loss						
P/U Weight	64		Solid Content	.3					
S/O Weight	50		Sand Content	TRACE					
WOB ROT.	8		Chlorides	22000		TOTAL =	5033.85	TOTAL =	

Time Log			Operation details and comments	#6 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	1300	13.00	DRILL 6452 - 6642	FT	619	69	688
1300	1330	0.50	RIG SERVICE	Hrs	38	8.5	46.5
1330	2400	10.50	DRILL 6642 - 6804				
2400							
				Motor Inventory			
				Clean			
				Dirty	3		
				Directional Charges			
				Operating	\$6,700		
				Subsistence	\$400		
				Mileage			
				Stand By			
				Motor Inspection			
				Gamma	\$500		
				L.I.H. Coverage	\$400		
				Daily Total	\$8,000		
				Cum Total	\$96,400		
				Weatherford Representatives			
				DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours=			24.00				



CONFIDENTIAL

Daily Work Report

DATE	28-Dec-03 SUN				
Company	QUESTAR	Job #	WYL1203DH092	Ftg. Last 24 Hrs	248
Rig	PATTERSON # 51	Report #	14	Last Csg. Set	5 1/2 @ 5164
Well	5G-16-8-21	Midn't Depth	7052	Total PDM Hrs	62.5

BHA #	6/7	Bit	3	BHA#	6	BHA#	7
PDM #4	BM375189	Size	4 3/4	Item	Length	Item	Length
Drl hrs	16	Make	SMITH	BIT	.5	BIT	.5
Cir hrs.		Type	XR30PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	62.5	Depth In	6116	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	0	Depth Out		UBHO	2.42	UBHO	2.42
Bent Sub	N/A	Hours	62.5	NMDC	30.83	NMDC	30.83
Bent Hous	1.5	Nozzles (TFA)	OPEN	NMDC	31.14	NMDC	31.14
Depth In	6116	ROP		TUBING	1854.99	TUBING	2407.03
Depth Out		T/B/G		X-O	.78	X-O	.78
WOB SLIDE	W.E.	Mud Type	POLYMER	HWDP	1226.94	HWDP	1226.94
Pad/Stab OD	3 3/4	Weight	8.6	X-O	1.27	X-O	1.27
GPM	133	Viscosity	38	D.P.-59	1870.98	D.P.-41	TBA
PSI off BTTM	1290	PVYP	13 / 18	WET CON.	1.33	WET CON	1.33
PSI on BTTM	1350	PH	9.5	FUDGE	-5	FUDGE	-5
Hook Load	60	Water Loss					
P/U Weight	66	Solid Content	.3				
S/O Weight	54	Sand Content	TRACE				
WOB ROT.	8	Chlorides	22000	TOTAL =	5033.85	TOTAL =	#VALUE!

Time Log			Operation details and comments	#6 BHA Run Tally			
From	To	Hours		Rotate	Slide	Circulate	Total
	1015	10.25	DRILL 6804 - 6957	FT	863	73	936
	1015	1130	WORK ON THE POWER SWIVEL	Hrs	53.5	9	62.5
	1130	1530	DRILL 6957 - 7021	Motor Inventory			
	1530	1600	CHANGE OUT OVER SHOT	Clean			
	1600	1745	DRILL 7021 - 7052	Dirty	3		
	1745	2400	PUMP PILL-TOH T/TBG-L/D 18 JTS DP	Directional Charges			
	2400			Operating	\$6,700		
				Subsistence	\$400		
				Mileage			
				Stand By			
				Motor Inspection			
				Gamma	\$500		
				L.I.H. Coverage	\$400		
				Daily Total	\$8,000		
				Cum Total	\$104,400		
				Weatherford Representatives			
				DAN MINER			
				TIM SNYDER			
				Operator Representatives			
				JEFF JONES			
				PETE AYOTTE			
Total Hours=			24.00				



Weatherford

CONFIDENTIAL

Daily Work Report

DATE	29-Dec-03 MON				
Company	QUESTAR	Job #	WYL1203DH092	Ftg. Last 24 Hrs	170
Rig	PATTERSON # 51	Report #	15	Last Csg. Set	5 1/2 @ 5164
Well	5G-16-8-21	Midn't Depth	7222	Total PDM Hrs	76.5

BHA #	6/7	Bit	3	BHA#	6	BHA#	7
PDM #4	BM375189	Size	4 3/4	Item	Length	Item	Length
Drl hrs	13	Make	SMITH	BIT	.5	BIT	.5
Cir hrs.	1	Type	XR30PS	MOTOR	16.63	MOTOR	16.63
Cum. Drl. Hrs	75.5	Depth In	6116	FLOAT	1.04	FLOAT	1.04
Cum. Cir. Hrs	1	Depth Out		UBHO	2.42	UBHO	2.42
Bent Sub	N/A	Hours	62.5	NMDC	30.83	NMDC	30.83
Bent Hous	1.5	Nozzles (TFA)	OPEN	NMDC	31.14	NMDC	31.14
Depth In	6116	ROP		TUBING	1854.99	TUBING	2407.03
Depth Out		T/B/G		X-O	.78	X-O	.78
WOB SLIDE	W.E.	Mud Type	POLYMER	HWDP	1226.94	HWDP	1226.94
Pad/Stab OD	3 3/4	Weight	8.4	X-O	1.27	X-O	1.27
GPM	133	Viscosity	48	D.P.-59	1870.98	D.P.-41	1297.48
PSI off BTTM	1290	PV/YP	17/28	WET CON.	1.33	WET CON	1.33
PSI on BTTM	1350	PH	9.2	FUDGE	-5	FUDGE	-5
Hook Load	58	Water Loss	3.4				
P/U Weight	66	Solid Content	1.6				
S/O Weight	48	Sand Content	TRACE				
WOB ROT.	8	Chlorides	16000	TOTAL =	5033.85	TOTAL =	5012.39

Time Log			Operation details and comments	#6/7 BHA Run Tally				
From	To	Hours		Rotate	Slide	Circulate	Total	
	100	1.00	TOH T/TUBING	FT	1033	73	1106	
100	400	3.00	TIH-P/U 18 JTS TBG	Hrs	66.5	9	1	76.5
400	600	2.00	RUN STEERING TOOL-SPACE OUT & REHEAD	Motor Inventory				
600	700	1.00	RUN IN 1 STAND AND CIRCULATE	Clean	1			
700	1000	3.00	T.I.H. LOG FROM 6969 - 7052	Dirty	3			
1000	1430	4.50	DRILL 7052 - 7094	Directional Charges				
1430	1530	1.00	RELOG 30'	Operating	\$6,700			
1530	2400	8.50	DRILL 7094-7222	Subsistence	\$400			
2400				Mileage				
				Stand By				
				Motor Inspection				
				Gamma	\$500			
				L.I.H. Coverage	\$400			
				Daily Total	\$8,000			
				Cum Total	\$112,400			
				Weatherford Representatives				
				DAN MINER				
				TIM SNYDER				
				Operator Representatives				
				JEFF JONES				
				PETE AYOTTE				
Total Hours=			24.00					



Weatherford®

Mailey Directional Services

DRILLING MOTOR FIELD PERFORMANCE REPORT

JOB #		DIRECTIONAL SUPERVISOR
WYL1203DH092		DAN MINER / TIM SNYDER
OIL COMPANY	WELL NAME & NUMBER	RIG #
QUESTAR	5G-16-8-21	PATTERSON # 51
MOTOR #		MOTOR SIZE & CONFIGURATION
BLACK MAX 375210		3 3/4 7:8
MUD TYPE	MUD WEIGHT	MUD TEMPERATURE
POLY / GEL	8.5	
BIT TYPE & SIZE	NOZZLES	PRESSURE DROP
SMITH / XR30PS / 4 3/4	OPEN	
AVERAGE STANDPIPE PRESSURE		
OFF BOTTOM	DRILLING	GPM
860	920	133
ROTARY RPM	AVERAGE BIT WEIGHT	
N/A	6 -10	
SURVEY TYPE		
GYRO		
DEPTH IN	DATE	INCLINATION & AZIMUTH
5171	12/17/2003	1.48 / 70.66
DEPTH OUT	DATE	INCLINATION & AZIMUTH
5225	12/18/2003	5.89 / 44.33
SLIDING. FEET	SLIDING. HOURS	SLIDING. FEET / HOUR
54	10.50	5.1
ROTATING. FEET	ROTATING. HOURS	ROTATING. FEET / HOUR
		#DIV/0!
TOTAL. FEET	TOTAL. DRILLING HOURS	TOTAL. FEET / HOUR
54	10.50	5.1
CIRCULATING HOURS	TOTAL. HOURS	
4.25	14.75	
COMMENTS		
MOTOR RAN GREAT BUT COULD NOT GET THE BUILD RATES NEEDED.		



Weatherford

WALLEY Directional Services

DRILLING MOTOR FIELD PERFORMANCE REPORT

JOB # WYL1203DH092		DIRECTIONAL SUPERVISOR DAN MINER / TIM SNYDER	
OIL COMPANY QUESTAR	WELL NAME & NUMBER 5G-16-8-21		RIG # PATTERSON # 51
MOTOR # BLACK MAX 375176		MOTOR SIZE & CONFIGURATION 3 3/4 7:8	
MUD TYPE POLY / GEL	MUD WEIGHT 8.5	MUD TEMPERATURE	
BIT TYPE & SIZE SMITH / MF2PS / 4 3/4	NOZZLES OPEN	PRESSURE DROP	
AVERAGE STANDPIPE PRESSURE			
OFF BOTTOM 1060	DRILLING 1200	GPM 133	
ROTARY RPM N/A		AVERAGE BIT WEIGHT 10 - 14	
SURVEY TYPE STEERING TOOL			
DEPTH IN 5225	DATE 12/18/2003	INCLINATION & AZIMUTH 11.31 & 43.6	
DEPTH OUT 5359	DATE 12/20/2003	INCLINATION & AZIMUTH 61.2 / 42	
SLIDING. FEET 134	SLIDING. HOURS 23.75	SLIDING. FEET / HOUR 5.6	
ROTATING. FEET	ROTATING. HOURS	ROTATING. FEET / HOUR #DIV/0!	
TOTAL. FEET 134	TOTAL. DRILLING HOURS 23.75	TOTAL. FEET / HOUR 5.6	
CIRCULATING HOURS 0.25		TOTAL. HOURS 24.00	
COMMENTS			
GREAT RUN, NO PROBLEMS			



Weatherford®

Valley Directional Services

DRILLING MOTOR FIELD PERFORMANCE REPORT

JOB #		DIRECTIONAL SUPERVISOR
WYL1203DH092		DAN MINER / TIM SNYDER
OIL COMPANY	WELL NAME & NUMBER	RIG #
QUESTAR	5G-16-8-21	PATTERSON # 51
MOTOR #		MOTOR SIZE & CONFIGURATION
BLACK MAX 375210		3 3/4 7:8
MUD TYPE	MUD WEIGHT	MUD TEMPERATURE
POLY / GEL	8.5	
BIT TYPE & SIZE	NOZZLES	PRESSURE DROP
SMITH / XR30PS / 4 3/4	OPEN	
AVERAGE STANDPIPE PRESSURE		
OFF BOTTOM	DRILLING	GPM
1070	1130	133
ROTARY RPM	AVERAGE BIT WEIGHT	
N/A	WHATEVER	
SURVEY TYPE		
GYRO		
DEPTH IN	DATE	INCLINATION & AZIMUTH
5359	12/20/2003	76.4 & 39
DEPTH OUT	DATE	INCLINATION & AZIMUTH
5506	12/22/2003	?
SLIDING. FEET	SLIDING. HOURS	SLIDING. FEET / HOUR
201	31.00	6.5
ROTATING. FEET	ROTATING. HOURS	ROTATING. FEET / HOUR
		#DIV/0!
TOTAL. FEET	TOTAL. DRILLING HOURS	TOTAL. FEET / HOUR
201	31.00	6.5
CIRCULATING HOURS	TOTAL. HOURS	
0.50	31.50	
COMMENTS		
AVG. DLS YIELD 19-UNABLE TO ROTATE 2.0 FIXED IN 4 3/4, TORQUE MAXED OUT WITH 6 K WOB-TOH F/1.5		



Weatherford®

Mallory Directional Services

DRILLING MOTOR FIELD PERFORMANCE REPORT

JOB #		DIRECTIONAL SUPERVISOR	
WYL1203DH092		DAN MINER / TIM SNYDER	
OIL COMPANY	WELL NAME & NUMBER	RIG #	
QUESTAR	5G-16-8-21	PATTERSON # 51	
MOTOR #		MOTOR SIZE & CONFIGURATION	
BLACK MAX 375139-ADJ 1.5		3 3/4 7:8	
MUD TYPE	MUD WEIGHT	MUD TEMPERATURE	
POLY / GEL	8.6		
BIT TYPE & SIZE	NOZZLES	PRESSURE DROP	
SMITH / XR30PS / 4 3/4	OPEN		
AVERAGE STANDPIPE PRESSURE			
OFF BOTTOM	DRILLING	GPM	
1100	1200	133	
ROTARY RPM	AVERAGE BIT WEIGHT		
60	WHATEVER		
SURVEY TYPE			
STEERING TOOL			
DEPTH IN	DATE	INCLINATION & AZIMUTH	
5506	12/22/2003	87.8 & 14.7	
DEPTH OUT	DATE	INCLINATION & AZIMUTH	
6116	12/25/2003	90.5 & 2.9	
SLIDING. FEET	SLIDING. HOURS	SLIDING. FEET / HOUR	
279	41.00	6.8	
ROTATING. FEET	ROTATING. HOURS	ROTATING. FEET / HOUR	
331	23.00	14.4	
TOTAL. FEET	TOTAL. DRILLING HOURS	TOTAL. FEET / HOUR	
610	64.00	9.5	
CIRCULATING HOURS	TOTAL. HOURS		
3.00	67.00		
COMMENTS			
AVG. DLS YIELD 19-UNABLE TO ROTATE 2.0 FIXED IN 4 3/4, TORQUE MAXED OUT WITH 6 K WOB-TOH F/1.5			
1.5 YIELD 8 DLS IN 100% SLIDE, ROTATE OFF BOTTOM W/1800 PSI SWIVEL TORQUE, DRILL W/ 2800 PSI			



Weatherford®

Malley Directional Services

DRILLING MOTOR FIELD PERFORMANCE REPORT

JOB # WYL1203DH092		DIRECTIONAL SUPERVISOR DAN MINER / TIM SNYDER	
OIL COMPANY QUESTAR	WELL NAME & NUMBER 5G-16-8-21		RIG # PATTERSON # 51
MOTOR # BLACK MAX 375189-ADJ 1.5		MOTOR SIZE & CONFIGURATION 3 3/4 7:8	
MUD TYPE POLY / GEL	MUD WEIGHT 8.6	MUD TEMPERATURE	
BIT TYPE & SIZE SMITH / XR30PS / 4 3/4	NOZZLES OPEN	PRESSURE DROP	
AVERAGE STANDPIPE PRESSURE			
OFF BOTTOM 1100 / 1350	DRILLING 1200 / 1550	GPM 133	
ROTARY RPM 60		AVERAGE BIT WEIGHT 6 - 8	
SURVEY TYPE STEERING TOOL			
DEPTH IN 6116	DATE 12/25/2003	INCLINATION & AZIMUTH 90.5 & 2.9	
DEPTH OUT	DATE	INCLINATION & AZIMUTH	
SLIDING. FEET 83	SLIDING. HOURS 11.00	SLIDING. FEET / HOUR 7.5	
ROTATING. FEET 1420	ROTATING. HOURS 94.00	ROTATING. FEET / HOUR 15.1	
TOTAL. FEET 1503	TOTAL. DRILLING HOURS 105.00	TOTAL. FEET / HOUR 14.3	
CIRCULATING HOURS 3.25	TOTAL. HOURS 108.25		
COMMENTS			
GREAT RUN			

018

From: "Dale Larsen" <Dale.Larsen@questar.com>
To: <dustindoucet@utah.gov>
Date: 8/30/2004 9:30:10 AM
Subject: FW: Questar 5G-16-8-21

*WV 5G-16-8-21
T085 R21E S-16
43-047-34107*

Dustin,

Here is Weatherford's take on the BH location for this well. I was having trouble figuring it out myself, so I got them involved. Call back if you have any questions.

Thanks,

Dale

-----Original Message-----

From: Schmitz, Steve [mailto:Steve.Schmitz@weatherford.com]
Sent: Sunday, August 29, 2004 11:49 AM
To: Dale Larsen
Cc: Holdren, Larren; Kevin O'Connell; Bob Basse
Subject: Questar 5G-16-8-21

Dale,

Per your request, please find attached the final directional survey and plat for this well.

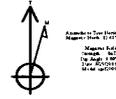
The Bottom Hole Location ended up:
2264.3' North and 165.6' East of surface location at MD of 7619' an TVD of 5374.6'.
(239.3' north of the section line and 830.6' east of the section line).

Steve Schmitz, P.E.
Project Manager
Registered Professional Engineer
Weatherford Drilling & Well Services
Mobile 303.882.1293

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Directional Drilling Services
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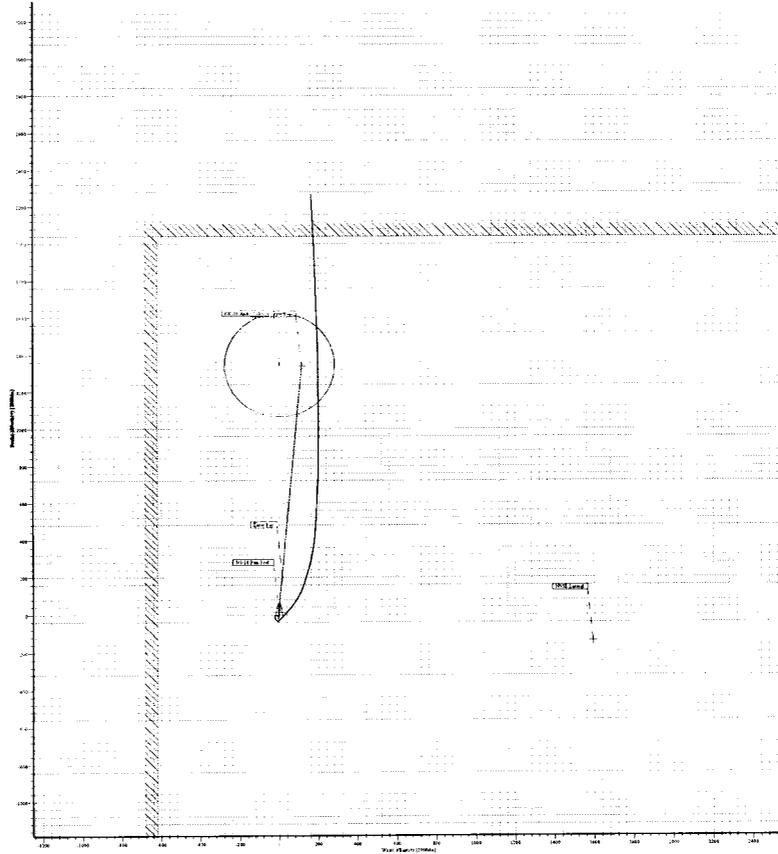


QUESTAR



WELL DETAILS

Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot
5G-16-R-21 Side-track Horizontal	0.0	0.0	0.00	0.00	31°14'07.419N	116°40'32.285W	N/A



CASING DETAILS

No.	TVD	MD	Name	Size
1	5159.0	5160.0	5 1/2" Csg Exit	5.500

TARGET DETAILS

Name	TVD	+N-S	+E-W	Shape
5G-16 Top Perf	5314.0	0.0	0.0	Point
Enter Pay	5320.0	199.2	17.4	Point
5G-16 Target Btm	5350.0	1138.9	117.1	Point
4W-16 Anti-Collision	7927.0	1344.0	4.0	Circle (Radius: 280)



Weatherford Directional Services Planning Report

Company: Questar E & P Field: Uintah Basin Site: 5G-16-8-21 Well: 5G-16-8-21 Side-track Horizont Wellpath: N5E lateral	Date: 8/29/2004 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 11:27:40 Site: 5G-16-8-21, True North SITE 0.0 Site (0.00N,0.00E,5.00Azi) Minimum Curvature	Page: 1 Db: Sybase
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Annotation

MD TVD

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
5160.0	5159.0	5.500	5.500	5 1/2" Csg Exit

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction
----	-----	------------	-----------	-----------	---------------

Survey Program for Definitive Wellpath

Date: 1/6/2004	Validated: No	Version: 0
Actual From To	Survey	Toolcode Tool Name
ft ft		

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	LLNS ft	LLEW ft
5100.0	1.55	141.76	5099.1	-37.4	-8.7	-38.1	0.00	0.00	0.00	2062.4	656.3
5165.0	1.48	70.66	5164.0	-37.9	-7.3	-38.3	2.71	-0.11	-109.38	2062.9	657.7
5175.0	2.83	51.33	5174.0	-37.7	-7.0	-38.1	15.15	13.50	-193.30	2062.7	658.0
5185.0	4.38	46.64	5184.0	-37.2	-6.5	-37.7	15.77	15.50	-46.90	2062.2	658.5
5195.0	5.89	44.33	5194.0	-36.6	-5.9	-37.0	15.24	15.10	-23.10	2061.6	659.1
5205.0	7.26	41.28	5203.9	-35.8	-5.1	-36.1	14.13	13.70	-30.50	2060.8	659.9
5215.0	8.67	42.95	5213.8	-34.7	-4.2	-35.0	14.29	14.10	16.70	2059.7	660.8
5225.0	11.31	43.60	5223.7	-33.5	-3.0	-33.6	26.42	26.40	6.50	2058.5	662.0
5235.0	14.80	33.60	5233.4	-31.7	-1.6	-31.7	41.45	34.90	-100.00	2056.7	663.4
5245.0	20.20	38.20	5242.9	-29.3	0.2	-29.2	55.70	54.00	46.00	2054.3	665.2
5255.0	25.20	41.70	5252.2	-26.3	2.6	-26.0	51.77	50.00	35.00	2051.3	667.6
5265.0	30.30	42.90	5261.0	-22.9	5.8	-22.3	51.30	51.00	12.00	2047.9	670.8
5275.0	34.90	43.30	5269.4	-19.0	9.5	-18.1	46.05	46.00	4.00	2044.0	674.5
5285.0	40.30	42.20	5277.3	-14.5	13.6	-13.2	54.41	54.00	-11.00	2039.5	678.6
5295.0	45.10	41.90	5284.7	-9.4	18.1	-7.8	48.04	48.00	-3.00	2034.4	683.1
5305.0	50.60	42.20	5291.4	-3.9	23.1	-1.9	55.04	55.00	3.00	2028.9	688.1
5315.0	55.40	42.10	5297.4	2.0	28.5	4.4	48.01	48.00	-1.00	2023.0	693.5
5320.0	58.10	42.10	5300.2	5.1	31.3	7.8	54.00	54.00	0.00	2019.9	696.3
5325.0	61.20	42.00	5302.7	8.3	34.2	11.2	62.02	62.00	-2.00	2016.7	699.2
5335.0	66.60	41.90	5307.1	15.0	40.2	18.4	54.01	54.00	-1.00	2010.0	705.2
5345.0	71.10	41.70	5310.7	21.9	46.4	25.9	45.04	45.00	-2.00	2003.1	711.4
5355.0	76.40	39.00	5313.5	29.2	52.6	33.7	58.99	53.00	-27.00	1995.8	717.6
5360.0	78.00	37.40	5314.6	33.1	55.6	37.8	44.70	32.00	-32.00	1991.9	720.6
5370.0	80.20	36.00	5316.5	40.9	61.5	46.1	25.94	22.00	-14.00	1984.1	726.5
5380.0	82.20	35.60	5318.0	48.9	67.2	54.6	20.39	20.00	-4.00	1976.1	732.2
5390.0	84.00	35.10	5319.2	57.0	73.0	63.2	18.67	18.00	-5.00	1968.0	738.0
5400.0	85.70	34.20	5320.1	65.2	78.6	71.8	19.22	17.00	-9.00	1959.8	743.6
5410.0	86.70	32.60	5320.8	73.6	84.1	80.6	18.84	10.00	-16.00	1951.4	749.1
5420.0	88.30	31.30	5321.2	82.0	89.4	89.5	20.61	16.00	-13.00	1943.0	754.4
5430.0	89.80	30.40	5321.4	90.6	94.6	98.5	17.49	15.00	-9.00	1934.4	759.6
5440.0	91.00	28.00	5321.3	99.4	99.4	107.6	26.83	12.00	-24.00	1925.6	764.4
5450.0	92.20	27.30	5321.0	108.2	104.1	116.9	13.89	12.00	-7.00	1916.8	769.1
5470.0	92.10	23.30	5320.3	126.3	112.6	135.6	19.99	-0.50	-20.00	1898.7	777.6



Weatherford Directional Services

Planning Report

Company: Questar E & P	Date: 8/29/2004	Time: 11:27:40	Page: 2
Field: Uintah Basin	Co-ordinate(NE) Reference:	Site: 5G-16-8-21, True North	
Site: 5G-16-8-21	Vertical (TVD) Reference:	SITE 0.0	
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference:	Site (0.00N,0.00E,5.00Azi)	
Wellpath: N5E lateral	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	LLNS ft	LLEW ft
5490.0	90.80	19.50	5319.8	144.9	119.9	154.8	20.07	-6.50	-19.00	1880.1	784.9
5514.0	90.10	17.50	5319.6	167.6	127.5	178.1	8.83	-2.92	-8.33	1857.4	792.5
5530.0	89.90	16.50	5319.6	182.9	132.2	193.8	6.37	-1.25	-6.25	1842.1	797.2
5545.0	90.40	16.00	5319.5	197.3	136.4	208.5	4.71	3.33	-3.33	1827.7	801.4
5577.0	89.80	15.10	5319.5	228.2	145.0	239.9	3.38	-1.87	-2.81	1796.8	810.0
5592.0	89.10	14.80	5319.6	242.7	148.8	254.7	5.08	-4.67	-2.00	1782.3	813.8
5608.0	87.80	14.70	5320.1	258.1	152.9	270.5	8.15	-8.12	-0.62	1766.9	817.9
5623.0	86.30	14.50	5320.8	272.6	156.7	285.2	10.09	-10.00	-1.33	1752.4	821.7
5639.0	85.40	13.20	5322.0	288.1	160.5	301.0	9.86	-5.62	-8.12	1736.9	825.5
5654.0	85.60	11.90	5323.2	302.7	163.8	315.8	8.74	1.33	-8.67	1722.3	828.8
5671.0	86.10	11.00	5324.4	319.3	167.1	332.7	6.04	2.94	-5.29	1705.7	832.1
5686.0	86.00	10.00	5325.4	334.0	169.8	347.6	6.68	-0.67	-6.67	1691.0	834.8
5703.0	86.00	8.30	5326.6	350.8	172.5	364.5	9.98	0.00	-10.00	1674.2	837.5
5722.0	86.60	7.30	5327.8	369.6	175.1	383.4	6.13	3.16	-5.26	1655.4	840.1
5735.0	87.70	6.90	5328.5	382.5	176.7	396.4	9.00	8.46	-3.08	1642.5	841.7
5766.0	89.90	5.30	5329.1	413.3	180.0	427.4	8.77	7.10	-5.16	1611.7	845.0
5796.0	90.20	4.50	5329.1	443.2	182.6	457.4	2.85	1.00	-2.67	1581.8	847.6
5828.0	89.50	4.30	5329.2	475.1	185.0	489.4	2.28	-2.19	-0.62	1549.9	850.0
5860.0	87.10	3.40	5330.2	507.0	187.2	521.4	8.01	-7.50	-2.81	1518.0	852.2
5891.0	87.20	2.60	5331.7	537.9	188.8	552.3	2.60	0.32	-2.58	1487.1	853.8
5923.0	88.00	2.60	5333.0	569.8	190.3	584.2	2.50	2.50	0.00	1455.2	855.3
5955.0	88.40	2.60	5334.0	601.8	191.7	616.2	1.25	1.25	0.00	1423.2	856.7
5985.0	88.10	2.80	5335.0	631.7	193.1	646.2	1.20	-1.00	0.67	1393.3	858.1
6018.0	89.10	2.20	5335.8	664.7	194.6	679.1	3.53	3.03	-1.82	1360.3	859.6
6049.0	90.50	2.50	5335.9	695.7	195.8	710.1	4.62	4.52	0.97	1329.3	860.8
6080.0	90.60	1.80	5335.6	726.6	197.0	741.1	2.28	0.32	-2.26	1298.4	862.0
6114.0	89.00	1.80	5335.7	760.6	198.1	775.0	4.71	-4.71	0.00	1264.4	863.1
6131.0	87.40	1.40	5336.2	777.6	198.5	792.0	9.70	-9.41	-2.35	1247.4	863.5
6163.0	86.50	359.40	5337.9	809.6	198.8	823.8	6.85	-2.81	-6.25	1215.4	863.8
6195.0	86.90	1.10	5339.8	841.5	198.9	855.6	5.45	1.25	5.31	1183.5	863.9
6227.0	87.30	0.70	5341.4	873.5	199.4	887.5	1.77	1.25	-1.25	1151.5	864.4
6257.0	88.00	0.60	5342.6	903.4	199.7	917.4	2.36	2.33	-0.33	1121.6	864.7
6289.0	89.10	0.60	5343.4	935.4	200.1	949.3	3.44	3.44	0.00	1089.6	865.1
6321.0	88.30	359.90	5344.2	967.4	200.2	981.2	3.32	-2.50	-2.19	1057.6	865.2
6353.0	89.00	0.30	5344.9	999.4	200.3	1013.1	2.52	2.19	1.25	1025.6	865.3
6416.0	89.00	0.00	5346.0	1062.4	200.4	1075.8	0.48	0.00	-0.48	962.6	865.4
6448.0	88.30	359.80	5346.8	1094.4	200.4	1107.7	2.27	-2.19	-0.63	930.6	865.4
6480.0	87.70	359.60	5347.9	1126.4	200.2	1139.5	1.98	-1.87	-0.62	898.6	865.2
6511.0	87.80	359.30	5349.1	1157.3	199.9	1170.4	1.02	0.32	-0.97	867.7	864.9
6542.0	88.10	359.70	5350.2	1188.3	199.6	1201.2	1.61	0.97	1.29	836.7	864.6
6574.0	88.10	359.60	5351.3	1220.3	199.4	1233.0	0.31	0.00	-0.31	804.7	864.4
6606.0	89.50	359.50	5351.9	1252.3	199.2	1264.9	4.39	4.37	-0.31	772.7	864.2
6638.0	89.70	359.70	5352.2	1284.3	199.0	1296.7	0.88	0.62	0.62	740.7	864.0
6669.0	89.80	359.40	5352.3	1315.3	198.7	1327.6	1.02	0.32	-0.97	709.7	863.7
6702.0	89.90	358.80	5352.4	1348.3	198.2	1360.4	1.84	0.30	-1.82	676.7	863.2
6733.0	90.00	359.00	5352.4	1379.3	197.6	1391.3	0.72	0.32	0.65	645.7	862.6
6764.0	90.40	358.80	5352.3	1410.3	197.0	1422.1	1.44	1.29	-0.65	614.7	862.0
6796.0	89.40	358.80	5352.4	1442.3	196.3	1453.9	3.12	-3.12	0.00	582.7	861.3
6828.0	87.20	358.20	5353.3	1474.2	195.5	1485.7	7.13	-6.87	-1.87	550.8	860.5
6859.0	87.00	357.70	5354.9	1505.2	194.4	1516.4	1.74	-0.65	-1.61	519.8	859.4
6889.0	87.50	357.80	5356.3	1535.1	193.2	1546.1	1.70	1.67	0.33	489.9	858.2
6921.0	88.10	358.00	5357.5	1567.1	192.1	1577.9	1.98	1.87	0.62	457.9	857.1



Weatherford Directional Services Planning Report

Company: Questar E & P	Date: 8/29/2004	Time: 11:27:40	Page: 3
Field: Uintah Basin	Co-ordinate(NE) Reference: Site: 5G-16-8-21, True North		
Site: 5G-16-8-21	Vertical (TVD) Reference: SITE 0.0		
Well: 5G-16-8-21 Side-track Horizont	Section (VS) Reference: Site (0.00N,0.00E,5.00Az)		
Wellpath: N5E lateral	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	LLNS ft	LLEW ft
6953.0	88.50	358.20	5358.5	1599.0	191.0	1609.6	1.40	1.25	0.62	426.0	856.0
6995.0	89.50	358.10	5359.2	1641.0	189.6	1651.3	2.39	2.38	-0.24	384.0	854.6
7026.0	89.60	358.20	5359.5	1672.0	188.6	1682.1	0.46	0.32	0.32	353.0	853.6
7058.0	89.10	358.30	5359.8	1704.0	187.7	1713.9	1.59	-1.56	0.31	321.0	852.7
7091.0	88.80	358.20	5360.4	1737.0	186.7	1746.6	0.96	-0.91	-0.30	288.0	851.7
7123.0	88.00	358.10	5361.3	1768.9	185.6	1778.4	2.52	-2.50	-0.31	256.1	850.6
7155.0	87.70	358.20	5362.5	1800.9	184.6	1810.1	0.99	-0.94	0.31	224.1	849.6
7186.0	88.60	358.00	5363.5	1831.9	183.6	1840.9	2.97	2.90	-0.65	193.1	848.6
7218.0	89.00	358.30	5364.2	1863.8	182.5	1872.7	1.56	1.25	0.94	161.2	847.5
7250.0	88.80	358.20	5364.8	1895.8	181.6	1904.4	0.70	-0.62	-0.31	129.2	846.6
7282.0	87.60	357.90	5365.8	1927.8	180.5	1936.2	3.87	-3.75	-0.94	97.2	845.5
7313.0	86.80	357.60	5367.3	1958.7	179.2	1966.9	2.76	-2.58	-0.97	66.3	844.2
7345.0	87.30	357.80	5369.0	1990.7	178.0	1998.6	1.68	1.56	0.62	34.3	843.0
7377.0	87.30	357.70	5370.5	2022.6	176.7	2030.3	0.31	0.00	-0.31	2.4	841.7
7409.0	87.50	357.50	5371.9	2054.5	175.4	2062.0	0.88	0.62	-0.62	-29.5	840.4
7441.0	88.00	357.50	5373.2	2086.5	174.0	2093.7	1.56	1.56	0.00	-61.5	839.0
7473.0	89.30	357.40	5373.9	2118.4	172.6	2125.4	4.07	4.06	-0.31	-93.4	837.6
7505.0	89.60	357.60	5374.3	2150.4	171.2	2157.1	1.13	0.94	0.62	-125.4	836.2
7537.0	89.50	357.10	5374.5	2182.4	169.7	2188.9	1.59	-0.31	-1.56	-157.4	834.7
7569.0	90.00	357.10	5374.6	2214.3	168.1	2220.5	1.56	1.56	0.00	-189.3	833.1
7583.0	90.10	357.20	5374.6	2228.3	167.4	2234.4	1.01	0.71	0.71	-203.3	832.4
7619.0	90.00	357.20	5374.6	2264.3	165.6	2270.1	0.28	-0.28	0.00	-239.3	830.6

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
ML2237

6. If Indian, Allottee or Tribe Name
UTE TRIBE

7. If Unit or CA, Agreement Designation
WONSITS VALLEY

8. Well Name and No.
WV 5G 16 8 21

9. API Well No.
43-047-34107

10. Field and Pool, or Exploratory Area
WONSITS VALLEY

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Gas
 Well Well Other

2. Name of Operator
QEP, UINTA BASIN, INC.

3. Address and Telephone No. Contact: Dahn.Caldwell@questar.com
11002 E. 17500 S. VERNAL, UT 84078-8526 **435-781-4342 Fax 435-781-4357**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE - SWNW, 2025' FNL, 665' FWL
BOTTOM - SWNW - 2164' FNL, 2259' FWL
5-16 TOBS R21E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>WORK OVER</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WORKOVER FOR THIS WELL FROM 5/2/05 - 5/10/05.

- On 5/2/05 - Initial report of OH lateral cleanout and acidize to increase production.
- With bit in the open hole lateral at 7606' fill hole with 260 bbls of 2% KCL water.
- MIRU Halliburton and acidize G-1 open hole lateral from the csg window at 5157' to 7606' with 5,000 gals of gelled 28% HCL acid. Total load of 223 bbls.
- 5/9/05 - RIH w/ production string as follows: Pinned NC; 1 jt; SN; 3 jts of tbg; anchor catcher; 157 jts of tbg to surface. EOT @ 5202'; anchor w/ 14M# tension @ 5071' KB depths.
- Prime new pump & RIH w/ 2-1/2"x1-3/4"x16x19x20' RHAC (top hold down) pump; 130 - 3/4" plain rods; 75 - 7/8" plain rods; and 1-1/2"x26' polish rod. Seat pump and fill tbg and pressure test pump & tbg to 800#, OK.
- 5/10/05 - RDMO Basin Well Service. Final report of lateral cleanout and acid job.

3 - BLM, 2- Utah OG&M, 1 - Denver, 1 - file Word file-server

14. I hereby certify that the foregoing is true and correct.
Signed JIM SIMONTON Title COMPLETION SUPERVISOR Date 9/28/05

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
OCT 04 2005
ORIGINAL
CONFIDENTIAL

Well: WV # 5G-16-8-21

J: 6090 ' PBDT: 6070 '

Current Well Status: Oil

Location:
SW 1/4 NW 1/4 S16-T8S-R21E
Uintah County, Utah

API# 43-047-34107

OH LATERAL CLEANOUT & ACIDIZE TO INCREASE PRODUCTION.

Wellbore Schematic

Surface casing

Size 9 5/8"
Weight 36#
Grade K-55
Cmtd w/ 175 sxs

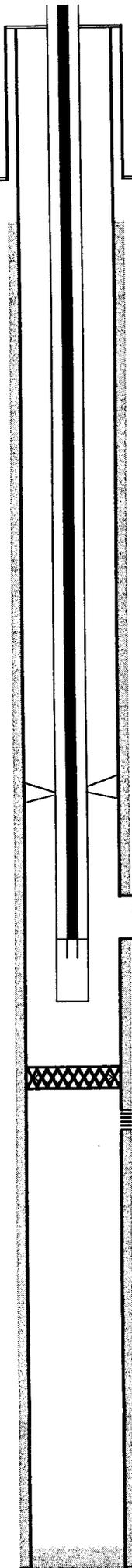
Set @ 450'

Hole size 12 1/4"

TOC @ 910'

EXCLUDED PERFS

OPEN PERFS



	Size	Footage	Depth
KB		15.00	15.00
Stretch		1.20	16.20
157 Jts 2-7/8" J-55 6.5# Tbg		5,055.69	5,071.89
5-1/2" B-2 Weatherford Tbg A.C.		2.65	5,074.54
3 Jts 2-7/8" Tbg 6.5#		96.64	5,171.18
2-7/8" Pump Seating Nipple		1.10	5,172.28
1 Jt 2-7/8" J-55 Tbg		29.63	5,201.91
2-7/8" NC w/ pin		0.45	5,202.36
BNC			5,202.36
			5,202.36
EOT			5,202.36

Used: 6.5# 8rd EUE Rerun: _____
J-55

Size	Rods	Number of
26' x 1-1/2"	Polish Rod	_____
75 - 7/8"	Reconditioned Rods	_____
130 - 3/4"	T-66 Rods	_____
_____	_____	_____
_____	_____	_____

USED _____ RERUN _____

Pump: Weatherford 2.5 x 1.75 x16 x 19 x 20 RHAC Pump #1703

Example:

Original Run Date: _____
New Run: _____ Rebuild: _____

Flowing Well

"R" NIPPLE _____
PKR @ _____
EOT @ _____

Donut: _____ Bonnet

Initial Completion 08/20/2001 - 08/29/2001

RIH and drillout to PBDT @ 6075'. Perf G1 Lime 5313'-5321'. BD and swab w/ FER = 0.5 BPH @ 75% oil. Acid frac w/ 20,000 gals 15% SGA at ATR = 5.2 BPM, ATP = 2194 psig, ISIP = 1829 psig. ONSITP = 1750 psig. Open well and FB all next day. Swab load water with final FER = 28 BPH @ 80% oilcut. POOH w/ tools and RIH w/ production tubing. TWOTP.

Date of First Production = 08/29/2001

IPP = 40 BOPD, 44 McFPD, 26 BWPD on 08/31/2001

Recompleted between 1/6/04 - 1/12/04

Did completion of the G-1 Lateral

KOP @ 5157' - 5165'

EOT @ 5207'

TAC set @ 5202' w/ 15,000# Rension

10/18/04 Change pump.

2/5/05 Tbg. Stuck found hole in Jt. # 160 anchor was sheared drag springs gone

5/2/05 - 5/10/05 OH Lateral cleanout & acidize to increase production.

POOH w/ production string. RIH w/ pre bent jt to end of lateral @ 7636' (tbg).

Pumped 5000 gals 28% acid. LD work string. RIH w/ production string & rods.

Orig PBDT @ 6070 '
TD @ 6090 '

Production casing

Size 5 1/2", 15 1/2#, J-55

Cmtd w/ 850 sxs

Set @ 6090'

Hole size 7 7/8"

Prepared By: Dahn Caldwell

Date: 5/25/05

Combined w/another wellbore of same name on 5/15/05 D. Caldwell

ORIGINAL

CONFIDENTIAL

CONFIDENTIAL

WEEKLY OPERATIONS REPORT – May 12, 2005

QEP

UINTA BASIN

T 083 R 91E S-16
43-047-34107

“Drilling Activity – Operated” 5-12-05

- Patterson #51 – WRU EIH 12ML-24-8-22 drilling at 9,926 feet MD, 2.7° inclination, 24.0° azimuth. PTD 10,500 MD. Next well WRU EIH 15ML-23-8-22 directional pad well. PTD 10,300' TVD.
- Patterson #52 – RW 12-35B (296) 5,012 feet drilling NE lateral building angle, 14.2° inclination. Will drill two 2,100' laterals. 5-1/2" casing liner on location to cover up build section. Next well GHU 1G-17-8-21, grass roots horizontal.
- True #26 – EIH 2MU-25-8-22 ran casing, cemented and rigging down for move. Next well EIH 1MU-25-8-22. PTD 8,700'.
- Caza #57 – WRU EIH 14MU-35-8-22 drilling at 7,195 feet. PTD 8,200'. Next well EIH 7MU-25-8-22. PTD 8,700'.
- True #30 – GB 7M-28-8-21 TD 9,975 feet, ran 7" intermediate casing, cemented and rigging down to move to Pinedale. PTD 12,850'. Will finish well with Caza 57.

“Completions & New Wells to Sales” 5-12-05:

FR 9P-36-14-19: (100% WI) Flow well (Dakota, Cedar Mtn., Morrison & Entrada) up backside to sales; DOFP was Sat. Feb. 12th; currently flowing 3.8 Mmcfpd @ 363 psi FCP through compressor.

GB 3M-27-8-21: (77.5% WI) MIRU rig this week; currently MI tanks, wtr.; HP manifold will be rigged up Sun.; perf. Mon.; all fracs set for Tues./Weds. (5/17-18).

WV 1MU-16-8-21: (100% WI) Fracs. Thurs./Fri. this week.

** One important workover to note – the WV 5G-16-8-21 lateral was acidized late last week; currently flowing 201 BOPD, 162 BWPD & 101 mcfpd.*

**Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET**

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2007

FROM: (Old Operator): N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900	TO: (New Operator): N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900
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CA No.		Unit:		WONSITS VALLEY UNIT				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- b. Inspections of LA PA state/fee well sites complete on: n/a
- c. Reports current for Production/Disposition & Sundries on: n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WVU 16	WV 16	NENE	15	080S	210E	4304715447	5265	Federal	WI	A
WVU 31	WV 31	NENW	14	080S	210E	4304715460	5265	Federal	WI	A
WVU 35	WV 35	NESW	14	080S	210E	4304715463	5265	Federal	WI	A
WV 36	WV 36	NESW	10	080S	210E	4304715464	5265	Federal	WI	A
WVU 41	WV 41	NENW	15	080S	210E	4304715469	5265	Federal	WI	A
WV 43	WV 43	SWSW	11	080S	210E	4304715471	5265	Federal	OW	P
WV 48	WV 48	SWNE	10	080S	210E	4304715476	5265	Federal	OW	P
WVU 50	WV 50	SWNE	15	080S	210E	4304715477	5265	Federal	WI	A
WV 53	WV 53	SWSE	10	080S	210E	4304720003	5265	Federal	OW	P
WVU 55	WV 55	SWNE	14	080S	210E	4304720005	5265	Federal	OW	P
WVU 59	WV 59	SWNW	14	080S	210E	4304720018	5265	Federal	WI	A
WVU 60	WV 60	SWSE	15	080S	210E	4304720019	5265	Federal	WI	A
WV 62	WV 62	SWSW	10	080S	210E	4304720024	5265	Federal	OW	P
WVU 65	WV 65	SWNW	15	080S	210E	4304720041	5265	Federal	OW	P
WVU 67	WV 67	NESW	15	080S	210E	4304720043	5265	Federal	WI	A
WVU 68	WV 68	NESE	15	080S	210E	4304720047	5265	Federal	WI	A
WVU 83	WV 83 WG	NENW	23	080S	210E	4304720205	14864	Federal	GW	S
WV 97	WV 97	NWSW	11	080S	210E	4304730014	5265	Federal	WI	A
WVU 103	WV 103	NWNW	14	080S	210E	4304730021	5265	Federal	OW	P
WVU 104	WV 104	NWNE	15	080S	210E	4304730022	5265	Federal	OW	P
WV 105	WV 105	SESE	10	080S	210E	4304730023	5265	Federal	OW	P
WVU 109	WV 109	SENE	15	080S	210E	4304730045	5265	Federal	OW	P
WVU 110	WV 110	SENE	14	080S	210E	4304730046	5265	Federal	OW	P
WVU 112	WV 112	SENE	15	080S	210E	4304730048	5265	Federal	OW	P
WVU 124	WV 124	NWSE	15	080S	210E	4304730745	5265	Federal	OW	P
WVU 126	WV 126	NWNE	21	080S	210E	4304730796	5265	Federal	WI	A
WV 128	WV 128	SESW	10	080S	210E	4304730798	5265	Federal	OW	P
WVU 132	WV 132	NWSW	15	080S	210E	4304730822	5265	Federal	OW	P
WVU 136	WV 136	NENW	21	080S	210E	4304731047	5265	Federal	OW	S
WV 137	WV 137	SENE	11	080S	210E	4304731523	5265	Federal	OW	P
WV 28-2	WV 28-2	NESW	11	080S	210E	4304731524	99990	Federal	WI	A
WVU 133	WV 133	SESW	15	080S	210E	4304731706	5265	Federal	OW	P
WVU 140	WV 140	NWNW	15	080S	210E	4304731707	5265	Federal	WI	A
WV 40-2	WV 40-2	NESE	10	080S	210E	4304731798	5265	Federal	WI	A
WVU 144	WV 144	SENE	10	080S	210E	4304731807	5265	Federal	OW	P
WV 143	WV 143	NWSE	10	080S	210E	4304731808	5265	Federal	WI	A
WVU 145	WV 145	NWNW	18	080S	220E	4304731820	14864	Federal	GW	P
WVU 121	WV 121	NWSW	14	080S	210E	4304731873	5265	Federal	OW	TA
WVU 135-2	WV 135-2	NENE	21	080S	210E	4304732016	5265	Federal	OW	P
WVU 130	WV 130	NWNW	22	080S	210E	4304732307	5265	Federal	OW	P
WVU 71-2	WV 71-2	SWSW	15	080S	210E	4304732449	5265	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WVFU 119	WV 119	NWNW	21	080S	210E	4304732461	5265	Federal	OW	P
WVFU 120	WV 120	NENW	22	080S	210E	4304732462	5265	Federal	WI	A
WVFU 54 WG	WV 54 WG	SWSE	07	080S	220E	4304732821	14864	Federal	GW	P
WVFU 69 WG	WV 69 WG	SWNE	18	080S	220E	4304732829	14864	Federal	GW	P
WVFU 38 WG	WV 38 WG	SWNW	08	080S	220E	4304732831	14864	Federal	GW	P
WVFU 49 WG	WV 49 WG	SWSW	08	080S	220E	4304732832	14864	Federal	GW	P
WVFU 138 WG	WV 138 WG	SWNW	18	080S	220E	4304733054	14864	Federal	GW	P
WVFU 14 WG	WV 14 WG	SWSE	12	080S	210E	4304733070	14864	Federal	GW	P
WVFU 11 WG	WV 11 WG	SWNE	12	080S	210E	4304733085	14864	Federal	GW	P
WVFU 81 WG	WV 81 WG	SWNW	24	080S	210E	4304733086	14864	Federal	GW	P
WVFU 146 WG	WV 146 WG	NWNW	19	080S	220E	4304733128	14864	Federal	GW	P
WVFU 1W-14-8-21	WV 1W-14-8-21	NENE	14	080S	210E	4304733220	14864	Federal	GW	P
WVFU 5W-13-8-21	WV 5W-13-8-21	SWNW	13	080S	210E	4304733221	14864	Federal	GW	P
WVFU 46 WG	WV 46 WG	NESE	07	080S	220E	4304733241	14864	Federal	GW	P
WVFU 9W-14-8-21	WV 9W-14-8-21	NESE	14	080S	210E	4304733269	14864	Federal	GW	P
WVFU 7W-13-8-21	WV 7W-13-8-21	SWNE	13	080S	210E	4304733270	14864	Federal	GW	P
WVFU 1W-18-8-22	WV 1W-18-8-22	NENE	18	080S	220E	4304733294	14864	Federal	GW	P
WVFU 11W-8-8-22	WV 11W-8-8-22	NESW	08	080S	220E	4304733295	14864	Federal	GW	P
WVFU 3W-8-8-22	WV 3W-8-8-22	NENW	08	080S	220E	4304733493	14864	Federal	GW	S
WVFU 5W-7-8-22	WV 5W-7-8-22	SWNW	07	080S	220E	4304733494	14864	Federal	GW	P
WVFU 11W-7-8-22	WV 11W-7-8-22	NESW	07	080S	220E	4304733495	14864	Federal	GW	P
WVFU 13W-7-8-22	WV 13W-7-8-22	SWSW	07	080S	220E	4304733496	14864	Federal	GW	P
WVFU 1W-7-8-22	WV 1W-7-8-22	NENE	07	080S	220E	4304733501	14864	Federal	GW	P
WVFU 3W-7-8-22	WV 3W-7-8-22	NENW	07	080S	220E	4304733502	14864	Federal	GW	P
WV 7WRG-7-8-22	WV 7WRG-7-8-22	SWNE	07	080S	220E	4304733503	5265	Federal	OW	P
WVFU 16W-9-8-21	WV 16W-9-8-21	SESE	09	080S	210E	4304733529	14864	Federal	GW	P
WVFU 1W-12-8-21	WV 1W-12-8-21	NENE	12	080S	210E	4304733531	14864	Federal	GW	P
WVFU 1W-13-8-21	WV 1W-13-8-21	NENE	13	080S	210E	4304733532	14864	Federal	GW	P
WVFU 3W-18-8-22	WV 3W-18-8-22	NENW	18	080S	220E	4304733533	14864	Federal	GW	P
WVFU 9W-12-8-21	WV 9W-12-8-21	NESE	12	080S	210E	4304733534	14864	Federal	GW	P
WVFU 11W-12-8-21	WV 11W-12-8-21	NESW	12	080S	210E	4304733535	14864	Federal	GW	P
WVFU 11W-13-8-21	WV 11W-13-8-21	NESW	13	080S	210E	4304733536	14864	Federal	GW	P
WVFU 13W-12-8-21	WV 13W-12-8-21	SWSW	12	080S	210E	4304733537	14864	Federal	GW	S
WVFU 13W-18-8-22	WV 13W-18-8-22	SWSW	18	080S	220E	4304733538	14864	Federal	GW	P
WVFU 16G-9-8-21	WV 16G-9-8-21	SESE	09	080S	210E	4304733565	5265	Federal	OW	P
WVFU 1W-21-8-21	WV 1W-21-8-21	NENE	21	080S	210E	4304733602	14864	Federal	GW	P
WVFU 3W-13-8-21	WV 3W-13-8-21	NENW	13	080S	210E	4304733603	14864	Federal	GW	S
WVFU 3W-22-8-21	WV 3W-22-8-21	NENW	22	080S	210E	4304733604	14864	Federal	GW	P
WVFU 3W-24-8-21	WV 3W-24-8-21	NENW	24	080S	210E	4304733605	14864	Federal	GW	P
WVFU 13W-13-8-21	WV 13W-13-8-21	SWSW	13	080S	210E	4304733606	14864	Federal	GW	S
WVFU 13W-14-8-21	WV 13W-14-8-21	SWSW	14	080S	210E	4304733607	14864	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WVFU 15W-13-8-21	WV 15W-13-8-21	SWSE	13	080S	210E	4304733608	14864	Federal	GW	S
WVFU 1W-24-8-21	WV 1W-24-8-21	NENE	24	080S	210E	4304733613	14864	Federal	GW	P
WVFU 11W-18-8-22	WV 11W-18-8-22	NESW	18	080S	220E	4304733626	14864	Federal	GW	P
WV 2W-10-8-21	WV 2W-10-8-21	NWNE	10	080S	210E	4304733655	14864	Federal	GW	P
WV 4W-11-8-21	WV 4W-11-8-21	NWNW	11	080S	210E	4304733657	14864	Federal	GW	P
WV 12W-10-8-21	WV 12W-10-8-21	NWSW	10	080S	210E	4304733659	14864	Federal	GW	S
WV 12G-10-8-21	WV 12G-10-8-21	NWSW	10	080S	210E	4304733660	5265	Federal	OW	P
WVFU 15W-9-8-21	WV 15W-9-8-21	SWSE	09	080S	210E	4304733661	14864	Federal	GW	P
WVFU 15G-9-8-21	WV 15G-9-8-21	SWSE	09	080S	210E	4304733662	5265	Federal	OW	P
WVFU 2W-13-8-21	WV 2W-13-8-21	NWNE	13	080S	210E	4304733791	14864	Federal	GW	P
WVFU 6W-13-8-21	WV 6W-13-8-21	SENW	13	080S	210E	4304733792	14864	Federal	GW	P
WVFU 8W-13-8-21	WV 8W-13-8-21	SENE	13	080S	210E	4304733793	14864	Federal	GW	P
WV 10W-1-8-21	WV 10W-1-8-21	NWSE	01	080S	210E	4304733794	14864	Federal	GW	TA
WVFU 10W-13-8-21	WV 10W-13-8-21	NWSE	13	080S	210E	4304733795	14864	Federal	GW	P
WVFU 12W-7-8-22	WV 12W-7-8-22	NWSW	07	080S	220E	4304733808	14864	Federal	GW	P
WVFU 6W-8-8-22	WV 6W-8-8-22	SENW	08	080S	220E	4304733811	14864	Federal	GW	P
WVFU 7W-8-8-22	WV 7W-8-8-22	SWNE	08	080S	220E	4304733812	14864	Federal	GW	S
WVFU 10W-7-8-22	WV 10W-7-8-22	NWSE	07	080S	220E	4304733813	14864	Federal	GW	P
WVFU 12W-8-8-22	WV 12W-8-8-22	NWSW	08	080S	220E	4304733815	14864	Federal	GW	P
WVFU 14W-7-8-22	WV 14W-7-8-22	SESW	07	080S	220E	4304733816	14864	Federal	GW	P
WVFU 16W-7-8-22	WV 16W-7-8-22	SESE	07	080S	220E	4304733817	14864	Federal	GW	P
WVFU 6W-7-8-22	WV 6W-7-8-22	SENW	07	080S	220E	4304733828	14864	Federal	GW	P
WVFU 6W-18-8-22	WV 6W-18-8-22	SENW	18	080S	220E	4304733842	14864	Federal	GW	P
WVFU 6WC-18-8-22	WV 6WC-18-8-22	SENW	18	080S	220E	4304733843	14864	Federal	GW	P
WVFU 6WD-18-8-22	WV 6WD-18-8-22	SENW	18	080S	220E	4304733844	14864	Federal	GW	P
WVFU 5W-23-8-21	WV 5W-23-8-21	SWNW	23	080S	210E	4304733860	14864	Federal	GW	P
WVFU 7W-23-8-21	WV 7W-23-8-21	SWNE	23	080S	210E	4304733861	14864	Federal	GW	P
WVFU 8W-12-8-21	WV 8W-12-8-21	SENE	12	080S	210E	4304733862	14864	Federal	GW	P
WVFU 10W-12-8-21	WV 10W-12-8-21	NWSE	12	080S	210E	4304733863	14864	Federal	GW	P
WVFU 14W-12-8-21	WV 14W-12-8-21	SESW	12	080S	210E	4304733864	14864	Federal	GW	P
WVFU 16W-12-8-21	WV 16W-12-8-21	SESE	12	080S	210E	4304733865	14864	Federal	GW	P
WVFU 1W-15-8-21	WV 1W-15-8-21	NENE	15	080S	210E	4304733902	14864	Federal	GW	S
WVFU 1W-22-8-21	WV 1W-22-8-21	NENE	22	080S	210E	4304733903	14864	Federal	GW	P
WVFU 1W-23-8-21	WV 1W-23-8-21	NENE	23	080S	210E	4304733904	14864	Federal	GW	P
WV 6W-11-8-21	WV 6W-11-8-21	SENW	11	080S	210E	4304733906	14864	Federal	GW	P
WVFU 7W-24-8-21	WV 7W-24-8-21	SWNE	24	080S	210E	4304733908	14864	Federal	GW	P
WV 10W-11-8-21	WV 10W-11-8-21	NWSE	11	080S	210E	4304733910	14864	Federal	GW	P
WVFU 11W-15-8-21	WV 11W-15-8-21	NESW	15	080S	210E	4304733911	14864	Federal	GW	P
WV 13W-11-8-21	WV 13W-11-8-21	SWSW	11	080S	210E	4304733913	14864	Federal	GW	S
WVFU 13W-15-8-21	WV 13W-15-8-21	SWSW	15	080S	210E	4304733914	14864	Federal	GW	P
WV 15W-10-8-21	WV 15W-10-8-21	SWSE	10	080S	210E	4304733916	14864	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WVFU 15W-15-8-21	WV 15W-15-8-21	SWSE	15	080S	210E	4304733917	14864	Federal	GW	P
WVFU 5W-14-8-21	WV 5W-14-8-21	SWNW	14	080S	210E	4304733953	14864	Federal	GW	P
WVFU 7W-14-8-21	WV 7W-14-8-21	SWNE	14	080S	210E	4304733955	14864	Federal	GW	P
WV 8W-11-8-21	WV 8W-11-8-21	SENE	11	080S	210E	4304733957	14864	Federal	GW	S
WVFU 8W-14-8-21	WV 8W-14-8-21	SENE	14	080S	210E	4304733958	14864	Federal	GW	P
WVFU 9W-15-8-21	WV 9W-15-8-21	NESE	15	080S	210E	4304733959	14864	Federal	GW	P
WVFU 12W-13-8-21	WV 12W-13-8-21	NWSW	13	080S	210E	4304733961	14864	Federal	GW	P
WVFU 14W-13-8-21	WV 14W-13-8-21	SESW	13	080S	210E	4304733962	14864	Federal	GW	P
WVFU 15W-14-8-21	WV 15W-14-8-21	SWSE	14	080S	210E	4304733963	14864	Federal	GW	P
WVFU 2W-18-8-22	WV 2W-18-8-22	NWNE	18	080S	220E	4304733986	14864	Federal	GW	P
WV 8W-18-8-22	WV 8W-18-8-22	SENE	18	080S	220E	4304733989	14864	Federal	GW	P
WVFU 10W-18-8-22	WV 10W-18-8-22	NWSE	18	080S	220E	4304733991	14864	Federal	GW	P
WVFU 12W-18-8-22	WV 12W-18-8-22	NWSW	18	080S	220E	4304733993	14864	Federal	GW	P
WV 14W-18-8-22	WV 14W-18-8-22	SESW	18	080S	220E	4304733995	14864	Federal	GW	P
WVFU 8W-1-8-21	WV 8W-1-8-21	SENE	01	080S	210E	4304734009	14864	Federal	GW	DRL
WV 4W-17-8-22	WV 4W-17-8-22	NWNW	17	080S	220E	4304734038	14864	Federal	GW	P
WV 12G-1-8-21	WV 12G-1-8-21	NWSW	01	080S	210E	4304734108	5265	Federal	OW	TA
WV 2W-14-8-21	WV 2W-14-8-21	NWNE	14	080S	210E	4304734140	14864	Federal	GW	P
GH 2W-21-8-21	GH 2W-21-8-21	NWNE	21	080S	210E	4304734141	14864	Federal	GW	P
WV 2W-23-8-21	WV 2W-23-8-21	NWNE	23	080S	210E	4304734142	14864	Federal	GW	P
GH 3W-21-8-21	WV 3W-21-8-21	NENW	21	080S	210E	4304734143	14864	Federal	GW	P
WV 4W-13-8-21	WV 4W-13-8-21	NWNW	13	080S	210E	4304734144	14864	Federal	GW	P
GH 4W-21-8-21	WV 4W-21-8-21	NWNW	21	080S	210E	4304734145	14864	Federal	GW	P
WV 4W-22-8-21	WV 4W-22-8-21	NWNW	22	080S	210E	4304734146	14864	Federal	GW	P
WV 16W-11-8-21	WV 16W-11-8-21	SESE	11	080S	210E	4304734155	14864	Federal	GW	TA
WV 3W-19-8-22	WV 3W-19-8-22	NENW	19	080S	220E	4304734187	14864	Federal	GW	P
WV 4W-23-8-21	WV 4W-23-8-21	NWNW	23	080S	210E	4304734188	14864	Federal	GW	P
WV 6W-23-8-21	WV 6W-23-8-21	SENE	23	080S	210E	4304734189	14864	Federal	GW	P
WV 2W-15-8-21	WV 2W-15-8-21	NWNE	15	080S	210E	4304734242	14864	Federal	GW	P
WV 2W-22-8-21	WV 2W-22-8-21	NWNE	22	080S	210E	4304734243	14864	Federal	GW	P
WV 4W-14-8-21	WV 4W-14-8-21	NWNW	14	080S	210E	4304734244	14864	Federal	GW	P
WV 6W-12-8-21	WV 6W-12-8-21	SENE	12	080S	210E	4304734245	5265	Federal	GW	S
WV 7W-15-8-21	WV 7W-15-8-21	SWNE	15	080S	210E	4304734246	14864	Federal	GW	P
WV 8W-15-8-21	WV 8W-15-8-21	SENE	15	080S	210E	4304734247	14864	Federal	GW	P
WV 12W-12-8-21	WV 12W-12-8-21	NWSW	12	080S	210E	4304734248	14864	Federal	GW	S
WV 14W-15-8-21	WV 14W-15-8-21	SESW	15	080S	210E	4304734249	14864	Federal	GW	P
WV 16W-10-8-21	WV 16W-10-8-21	SESE	10	080S	210E	4304734250	14864	Federal	GW	P
WV 16W-15-8-21	WV 16W-15-8-21	SESE	15	080S	210E	4304734251	14864	Federal	GW	P
WV 2W-12-8-21	WV 2W-12-8-21	NWNE	12	080S	210E	4304734265	14864	Federal	GW	OPS
WV 3W-12-8-21	WV 3W-12-8-21	NENW	12	080S	210E	4304734267	14864	Federal	GW	OPS
WV 4W-12-8-21	WV 4D-12-8-21	NWNW	12	080S	210E	4304734268	12436	Federal	GW	DRL

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WV 5W-12-8-21	WV 5W-12-8-21	SWNW	12	080S	210E	4304734270	14864	Federal	GW	OPS
WV 6W-14-8-21	WV 6W-14-8-21	SENW	14	080S	210E	4304734271	14864	Federal	GW	P
WV 9W-11-8-21	WV 9W-11-8-21	NESE	11	080S	210E	4304734274	14864	Federal	GW	DRL
WV 10W-14-8-21	WV 10W-14-8-21	NWSE	14	080S	210E	4304734275	14864	Federal	GW	S
WV 11W-14-8-21	WV 11W-14-8-21	NESW	14	080S	210E	4304734277	14864	Federal	GW	P
WV 12W-14-8-21	WV 12W-14-8-21	NWSW	14	080S	210E	4304734279	14864	Federal	GW	S
WV 14M-11-8-21	WV 14M-11-8-21	SESW	11	080S	210E	4304734280	14864	Federal	GW	P
WV 14W-14-8-21	WV 14W-14-8-21	SESW	14	080S	210E	4304734281	14864	Federal	GW	P
WV 16W-14-8-21	WV 16G-14-8-21	SESE	14	080S	210E	4304734283	5265	Federal	OW	S
WV 3MU-15-8-21	WV 3MU-15-8-21	NENW	15	080S	210E	4304734289	14864	Federal	GW	P
WV 4MU-15-8-21	WV 4MU-15-8-21	NWNW	15	080S	210E	4304734291	14864	Federal	GW	P
WV 5MU-15-8-21	WV 5MU-15-8-21	SWNW	15	080S	210E	4304734293	14864	Federal	GW	P
WV 6W-15-8-21	WV 6W-15-8-21	SENW	15	080S	210E	4304734294	14864	Federal	GW	P
WV 10W-15-8-21	WV 10W-15-8-21	NWSE	15	080S	210E	4304734295	14864	Federal	GW	P
WVU 4W-24-8-21	WV 4W-24-8-21	NWNW	24	080S	210E	4304734330	14864	Federal	GW	P
WV 8M-23-8-21	WV 8M-23-8-21	SENE	23	080S	210E	4304734339	14864	Federal	GW	P
WVU 8W-24-8-21	WV 8W-24-8-21	SENE	24	080S	210E	4304734340	14864	Federal	GW	P
WV 2W-8-8-22	WV 2W-8-8-22	NWNE	08	080S	220E	4304734468	14864	Federal	GW	P
WV 8W-7-8-22	WV 8W-7-8-22	SENE	07	080S	220E	4304734469	14864	Federal	GW	S
WV 8W-22-8-21	WV 8W-22-8-21	SENE	22	080S	210E	4304734564	14864	Federal	GW	P
WV 3G-8-8-22	WV 3G-8-8-22	NENW	08	080S	220E	4304734596	5265	Federal	OW	TA
WV 14MU-10-8-21	WV 14MU-10-8-21	SESW	10	080S	210E	4304735879	14864	Federal	GW	P
WV 13MU-10-8-21	WV 13MU-10-8-21	SWSW	10	080S	210E	4304736305	14864	Federal	GW	P
WV 3DML-13-8-21	WV 3D-13-8-21	SENW	13	080S	210E	4304737923	14864	Federal	GW	DRL
WV 14DML-12-8-21	WV 14DML-12-8-21	SESW	12	080S	210E	4304737924	14864	Federal	GW	DRL
WV 15AML-12-8-21	WV 15AML-12-8-21	NWSE	12	080S	210E	4304737925		Federal	GW	APD
WV 13DML-10-8-21	WV 13DML-10-8-21	SWSW	10	080S	210E	4304737926	14864	Federal	GW	P
WV 4DML-15-8-21	WV 4DML-15-8-21	NWNW	15	080S	210E	4304737927	14864	Federal	GW	DRL
WV 13AD-8-8-22	WV 13AD-8-8-22	SWSW	08	080S	220E	4304737945		Federal	GW	APD
WV 11AML-14-8-21	WV 11AD-14-8-21	NWSE	14	080S	210E	4304738049	15899	Federal	GW	APD
WV 11DML-14-8-21	WV 11DML-14-8-21	SESW	14	080S	210E	4304738050		Federal	GW	APD
WV 4AML-19-8-22	WV 4AML-19-8-22	NWNW	19	080S	220E	4304738051		Federal	GW	APD
WV 13CML-8-8-22	WV 13CML-8-8-22	SWSW	08	080S	220E	4304738431		Federal	GW	APD
WV 13BML-18-8-22	WV 13BML-18-8-22	SWSW	18	080S	220E	4304738432		Federal	GW	APD
WV 8BML-18-8-22	WV 8BML-18-8-22	E/NE	18	080S	220E	4304738433		Federal	GW	APD
WV 6ML-24-8-21	WV 6-24-8-21	SENW	24	080S	210E	4304738663		Federal	GW	APD
WV 2ML-24-8-21	WV 2ML-24-8-21	NWNE	24	080S	210E	4304738664		Federal	GW	APD
WV 1DML-13-8-21	WV 1DML-13-8-21	NENE	13	080S	210E	4304738733		Federal	GW	APD
WV 4DML-13-8-21	WV 4DML-13-8-21	NWNW	13	080S	210E	4304738734		Federal	GW	APD
WV 3AML-14-8-21	WV 3AML-14-8-21	NENW	14	080S	210E	4304738736		Federal	GW	APD
WV 16CML-14-8-21	WV 16C-14-8-21	SESE	14	080S	210E	4304738737		Federal	GW	APD

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WVU 21	WV 21	NENE	16	080S	210E	4304715452	99990	State	WI	A
WVU 32	WV 32	NENW	16	080S	210E	4304716513	5265	State	OW	P
WVU 72	WV 72	SWSW	16	080S	210E	4304720058	99990	State	WI	A
WVU 73	WV 73	NESE	16	080S	210E	4304720066	5265	State	WI	A
WVU 74	WV 74	SWSE	16	080S	210E	4304720078	5265	State	OW	P
WVU 75	WV 75	SWNE	16	080S	210E	4304720085	5265	State	OW	P
WVU 78	WV 78	NESW	16	080S	210E	4304720115	99990	State	WI	A
WVU 134	WV 134	SESE	16	080S	210E	4304731118	5265	State	OW	P
WVU 141	WV 141	NWSE	16	080S	210E	4304731609	5265	State	OW	P
WVU 127	WV 127	SENE	16	080S	210E	4304731611	5265	State	OW	P
WVU 142	WV 142	SESW	16	080S	210E	4304731612	5265	State	OW	P
WVUFU 9W-13-8-21	WV 9W-13-8-21	NESE	13	080S	210E	4304733223	14864	State	GW	S
WVUFU 2W-16-8-21	WV 2W-16-8-21	NWNE	16	080S	210E	4304733246	14864	State	GW	P
WVUFU 2G-16-8-21	WV 2G-16-8-21	NWNE	16	080S	210E	4304733247	5265	State	OW	P
WVUFU 6W-16-8-21	WV 6W-16-8-21	SENE	16	080S	210E	4304733527	14864	State	GW	P
WVUFU 6G-16-8-21	WV 6G-16-8-21	SENE	16	080S	210E	4304733564	5265	State	OW	P
WVUFU 16W-2-8-21	WV 16W-2-8-21	SESE	02	080S	210E	4304733645	5265	State	OW	S
WVUFU 9W-2-8-21	WV 9W-2-8-21	NESE	02	080S	210E	4304733648	14864	State	GW	P
WVUFU 12W-16-8-21	WV 12W-16-8-21	NWSW	16	080S	210E	4304733649	14864	State	GW	P
WVUFU 12G-16-8-21	WV 12G-16-8-21	NWSW	16	080S	210E	4304733650	5265	State	OW	P
WVUFU 16W-13-8-21	WV 16W-13-8-21	SESE	13	080S	210E	4304733796	14864	State	GW	P
WV 10G-2-8-21	WV 10G-2-8-21	NWSE	02	080S	210E	4304734035	5265	State	OW	P
WV 14G-2-8-21	WV 14G-2-8-21	SESW	02	080S	210E	4304734036	5265	State	OW	P
WV 13G-2-8-21	WV 13G-2-8-21	SWSW	02	080S	210E	4304734068	5265	State	OW	P
WV 5G-16-8-21	WV 5G-16-8-21	SWNW	16	080S	210E	4304734107	5265	State	OW	P
WV 11W-16-8-21	WV 11W-16-8-21	NESW	16	080S	210E	4304734190	14864	State	GW	P
WV 13W-16-8-21	WV 13W-16-8-21	SWSW	16	080S	210E	4304734191	14864	State	GW	P
WV 14W-16-8-21	WV 14W-16-8-21	SESW	16	080S	210E	4304734192	14864	State	GW	P
WV 15W-16-8-21	WV 15W-16-8-21	SWSE	16	080S	210E	4304734224	14864	State	GW	P
WV 16W-16-8-21	WV 16W-16-8-21	SESE	16	080S	210E	4304734225	14864	State	GW	P
WV 1MU-16-8-21	WV 1MU-16-8-21	NENE	16	080S	210E	4304734288	14864	State	GW	P
WV 3W-16-8-21	WV 3W-16-8-21	NENW	16	080S	210E	4304734290		State	GW	LA
WV 4W-16-8-21	WV 4W-16-8-21	NWNW	16	080S	210E	4304734292	12436	State	D	PA
WVU 5W-16-8-21	WV 5W-16-8-21	SWNW	16	080S	210E	4304734321	14864	State	GW	P
WV 7W-16-8-21	WV 7W-16-8-21	SWNE	16	080S	210E	4304734322	14864	State	GW	P
WV 8ML-16-8-21	WV 8ML-16-8-21	SENE	16	080S	210E	4304734323	14864	State	GW	P
WV 9W-16-8-21	WV 9W-16-8-21	NESE	16	080S	210E	4304734325	14864	State	GW	P
WV 10W-16-8-21	WV 10W-16-8-21	NWSE	16	080S	210E	4304734326	14864	State	GW	P
WV 12BML-16-8-21	WV 12BML-16-8-21	SWNW	16	080S	210E	4304737824	14864	State	GW	P
WV 12DML-16-8-21	WV 12D-16-8-21	NWSW	16	080S	210E	4304737870		State	GW	APD
WV 15CML-16-8-21	WV 15CML-16-8-21	SESW	16	080S	210E	4304737871	14864	State	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
WONSITS VALLEY UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
WV 15DML-16-8-21	WV 15DML-16-8-21	SWSE	16	080S	210E	4304737872		State	GW	APD
WV 16DML-13-8-21	WV 16DML-13-8-21	SESE	13	080S	210E	4304738735		State	GW	APD

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
		7. UNIT or CA AGREEMENT NAME: see attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: see attached	
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265	PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE: **attached** COUNTY: **Uintah**

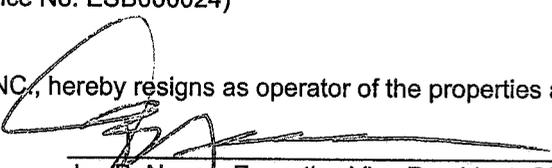
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

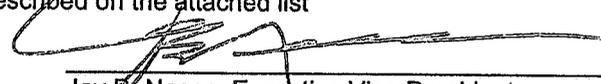
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

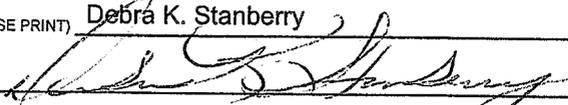
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.


 Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list


 Jay B. Neese, Executive Vice President
 Questar Exploration and Production Company

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>3/16/2007</u>

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
PHONE NUMBER: (303) 308-3068		10. FIELD AND POOL, OR WILDCAT:

COUNTY: Uintah

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Name Changes</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

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APR 19 2007

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Wonsits Valley Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Wonsits Valley Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Wonsits Valley Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Wonsits Valley Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Wonsits Valley Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

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DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	--

WELL NAME		CA No.	Unit:		WONSITS VALLEY				
		SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED									

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
- b. (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
See attached

7. UNIT or CA AGREEMENT NAME:
See attached

8. WELL NAME and NUMBER:
See attached

9. API NUMBER:
Attached

10. FIELD AND POOL, OR WILDCAT:
See attached

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
Questar Exploration and Production Company *N5085*

3. ADDRESS OF OPERATOR:
1050 17th Street, Suite 500 *City* Denver STATE *CO* ZIP *80265* PHONE NUMBER: *(303) 672-6900*

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: *See attached* COUNTY: *Attached*
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: *UTAH*

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*
Utah State Bond Number: ~~965003033~~
Fee Land Bond Number: ~~965003033~~ } *965010695*
BIA Bond Number: ~~799446~~ *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE *Morgan Anderson* DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/13/2010
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
WONSITS VALLEY
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
WV 32	16	080S	210E	4304716513	5265	State	OW	P	
WV 74	16	080S	210E	4304720078	5265	State	OW	P	
WV 75	16	080S	210E	4304720085	5265	State	OW	P	
WV 134	16	080S	210E	4304731118	5265	State	OW	P	
WV 141	16	080S	210E	4304731609	5265	State	OW	P	
WV 127	16	080S	210E	4304731611	5265	State	OW	P	
WV 142	16	080S	210E	4304731612	5265	State	OW	P	
WV 9W-13-8-21	13	080S	210E	4304733223	14864	State	GW	PA	
WV 2W-16-8-21	16	080S	210E	4304733246	17123	State	GW	P	
WV 2G-16-8-21	16	080S	210E	4304733247	5265	State	OW	P	
WV 6W-16-8-21	16	080S	210E	4304733527	17123	State	GW	P	
WV 6G-16-8-21	16	080S	210E	4304733564	5265	State	OW	P	
WV 16W-2-8-21	02	080S	210E	4304733645	5265	State	OW	S	
WV 9W-2-8-21	02	080S	210E	4304733648	17123	State	GW	P	
WV 12W-16-8-21	16	080S	210E	4304733649	17123	State	GW	P	
WV 12G-16-8-21	16	080S	210E	4304733650	5265	State	OW	P	
WV 16W-13-8-21	13	080S	210E	4304733796	17123	State	GW	P	
WV 10G-2-8-21	02	080S	210E	4304734035	5265	State	OW	P	
WV 14G-2-8-21	02	080S	210E	4304734036	5265	State	OW	P	
WV 13G-2-8-21	02	080S	210E	4304734068	5265	State	OW	P	
WV 5G-16-8-21	16	080S	210E	4304734107	5265	State	OW	P	
WV 11W-16-8-21	16	080S	210E	4304734190	17123	State	GW	P	
WV 13W-16-8-21	16	080S	210E	4304734191	17123	State	GW	P	
WV 14W-16-8-21	16	080S	210E	4304734192	17123	State	GW	P	
WV 15W-16-8-21	16	080S	210E	4304734224	17123	State	GW	P	
WV 16W-16-8-21	16	080S	210E	4304734225	17123	State	GW	P	
WV 1MU-16-8-21	16	080S	210E	4304734288	17123	State	GW	P	
WV 3W-16-8-21	16	080S	210E	4304734290		State	GW	LA	
WV 4W-16-8-21	16	080S	210E	4304734292	12436	State	D	PA	
WV 5W-16-8-21	16	080S	210E	4304734321	17123	State	GW	P	
WV 7W-16-8-21	16	080S	210E	4304734322	17123	State	GW	P	
WV 8ML-16-8-21	16	080S	210E	4304734323	17123	State	GW	P	
WV 9W-16-8-21	16	080S	210E	4304734325	17123	State	GW	P	
WV 10W-16-8-21	16	080S	210E	4304734326	17123	State	GW	P	
WV 12BML-16-8-21	16	080S	210E	4304737824	17123	State	GW	P	
WV 12D-16-8-21	16	080S	210E	4304737870		State	GW	LA	
WV 15CML-16-8-21	16	080S	210E	4304737871	17123	State	GW	P	
WV 15DML-16-8-21	16	080S	210E	4304737872		State	GW	LA	
WV 16DML-13-8-21	13	080S	210E	4304738735		State	GW	LA	